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phase I • site investigation • risk assessment • remediation  
NEPA • permitting • hazardous materials • UST



October 3, 2017

Ms. Amelia Piggott  
Mr. Robert Parker  
U.S. Environmental Protection Agency  
1595 Wynkoop Street  
Denver, CO 80202-1129

**RE:   *Soil Sampling Report, Silver Gate Ranches Lots 1 – 18; September 26, 2017***  
**Silver Gate Ranches Proposed Subdivision, Pace Ranch Property, Park City, UT**

Dear Ms. Piggott and Mr. Parker:

This letter transmits one copy of the *Soil Sampling Report, Silver Gate Ranches Lots 1 – 18, Park City, Utah, September 26, 2017* for your review, which we prepared to address the EPA comments on earlier sampling efforts regarding the Silver Gates Ranches Development on a portion of the Pace Ranch. We believe that these additional data support a determination that no further remedial action is warranted for the area to be developed and request that EPA inform Summit County of this determination.

On December 2, 2016, Robert McKinstry, the attorney for Resort Center Associates ("RCA"), transmitted a letter addressed to Jami Brackin, Summit County attorney, with a copy to you. Mr. McKinstry's letter submitted a December 2, 2016 report prepared by SAGE Environmental, L.L.C. (SAGE) that summarized soil sampling data collected from the Pace Ranch (the "Property") from 2007 to 2015. As noted in that correspondence, RCA is proposing to develop the eighteen lot Silver Gate Ranches development on a portion of the approximately 152 acre Property. In the December 2, 2016, letter, SAGE concluded that these data demonstrated that the areas that RCA proposes to develop within the Property lie "outside of the impacted area" of the Richardson Flat Tailings Site Lower Silver Creek ("Site") Operable Unit 2 (OU2) relative to Summit County Ordinance No. 692.

In April 21, 2017 you emailed Robert McKinstry transmitting EPA's comments prepared by Rob Parker and David Berry, suggesting that additional data would be required to allow EPA to concur with SAGE's conclusion. In response to those comments, this summer, at RCA's request, SAGE collected and analyzed 163 additional soil samples from the proposed approximately 40 acre Silver Gate Ranches development area, as detailed in the enclosed report. The results of this extensive sampling demonstrate that soil in the proposed development area exhibits low concentrations of contaminants that should not pose an unacceptable risk to human health under a residential exposure scenario. Based on these results, RCA requests that you determine and inform Summit County that no further remedial action is required for the area within the

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Property to be developed and that that property should no longer be considered a part of the Richardson Flat Tailings Site Lower Silver Creek OU2. This determination is necessary to allow the Silver Gate Ranches development to proceed with the permitting and development process consistent with Summit County Ordinance 692.

Sincerely,  
SAGE Environmental, L.L.C.

Laurie L. Goldner, Ph.D.  
President/Environmental Scientist

**Enclosure:** *Soil Sampling Report, Silver Gate Ranches Lots 1 – 18; September 26, 2017, SAGE Environmental, L.L.C.*

c: Jami Brackin, Summit County  
Walter Plumb III, Resort Center Associates  
Steven D. Peterson, Ballard Spahr LLP  
Robert B. McKinstry, Jr., Ballard Spahr LLP



# Soil Sampling Report Silver Gate Ranches Lots 1 – 18

PARK CITY, UTAH

SEPTEMBER 26, 2017



## *Prepared for:*

Resort Center Associates  
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## **SOIL SAMPLING REPORT SILVER GATE RANCHES LOTS 1 – 18**

### **1.0 INTRODUCTION**

This report presents the results of soil sampling conducted in May and June 2017 at the Pace Ranch property (the "Property") in Park City, Summit County, Utah. This sampling effort was conducted to collect data to determine if the areas that Resort Center Associates ("RCA") proposes to develop within the Pace Ranch (the "Property") lie "outside of the impacted area" of the Richardson Flat Tailings Site Lower Silver Creek ("Site") Operable Unit 2 (OU2) as defined in Section II.A.i of Summit County Ordinance No. 692. A map showing the boundaries of the approximately 152 acre Property and the boundaries of the proposed 18 lot Silver Gate Ranches development is attached as Figure 1. Figure 2 presents the lot outlines and other details of the proposed development plan.

As shown on Figure 1, the Property lies east and upgradient of the State of Utah Rail Trail and is located entirely outside of the Silver Creek floodplain. Historically, several irrigation ditches that carried water diverted from Silver Creek entered the Property's southern boundary. The Property was originally part of a larger property, the Pace ranch, that extended into the floodplain of Silver Creek. The Pace ranch was established in 1861 and was operated as a dairy farm by the Pace family for over a century. The dairy operation ceased upon the sale to RCA. Since then it has been a cattle and horse operation. RCA discovered the concerns relating to mine tailings in the floodplain as a result of its pre-acquisition due diligence. As a result of that due diligence, all portions of the larger Pace Ranch located within the floodplain were subdivided and transmitted to Park City; RCA never took title to that portion of the ranch.

RCA has entered into a Development Agreement with Summit County that permits the development of 18 1+ acre lots on the south portion of the Property next to Promontory. The rest of the Property, including the only areas with any evidence of mine waste-related contamination, will be dedicated as permanent open space that will total over 100 acres and will adjoin the Utah Rail Trail, preserving the open space character of the Trail.

Although the Property was subdivided from all land in the floodplain, the Property was apparently included in EPA's designation of the boundaries of the Site because it was once a part of that larger property. The inclusion of the Property within the Site triggered Summit County Ordinance No. 692, delaying development for over a decade.

As summarized in SAGE's 2016 letter to the Summit County Attorney (SAGE 2016), extensive soil sampling has been undertaken on the Property between 2007 and 2015 by Granite Environmental, Inc. (Granite 2007); Tetra Tech (2007); SAGE Environmental, L.L.C. (SAGE 2014) and United Park City Mines (UPCM 2016). In June 2017, RCA retained SAGE to conduct an extensive sampling effort on the proposed 18-lot development, the results of which are presented in this report.

## 2.0 METHODS

### 2.1 SOIL SAMPLE COLLECTION

Soil samples were collected using a mini-excavator to excavate test pits. Generally, three test pits were excavated per 2-acre lot: one in the approximate center of each lot (e.g., designated as Lot 3 Center or "L3C") to a depth of 9' below ground surface (bgs), and one each centered in the eastern and western halves of each lot (e.g., designated as L5E or L18W) that were excavated to an approximate depth of 1.5'. Two additional 1.5' test pits were excavated (one on Lot 14 [L14NW] and one on Lot 15 [L15S]) to collect additional samples for a background study. All test pits were sampled at depths of 0-2" and 6-12" (as per UPCM 2016), and the deep test pits in the center of each lot were also sampled at 4' and 9' bgs. A total of 163 samples were collected and analyzed, as summarized in Table 2.0-1, below:

**Table 2.0-1. Sample summary.**

Sample ID	Sample Depth			
	0-2"	6-12"	4'	9'
1C through 18 C	18	18	18	17*
1E through 18 E	18	18	--	--
1W through 18 W	18	18	--	--
14NE	1	1	--	--
15S	1	1	--	--
Duplicate samples	6	5	2	3
<b>Total</b>	<b>62</b>	<b>61</b>	<b>20</b>	<b>20</b>

\* A 9' sample was not collected from Lot 7 because groundwater was encountered at 4.5'

The bucket of the excavator was used to remove surface vegetation, then a new wooden stake was used to collect the surface soil sample from a depth of 0-2". A new pair of disposable nitrile gloves was used to transfer the soil into a new, laboratory supplied 4-ounce glass jar. After the surface sample was collected, the test pit was excavated to a total depth of approximately 1.5', then a decontaminated plastic trowel was used to collect a sample from the sidewall of the test pit from a depth of 6-12" directly into a sample jar. The test pits located in the center of each 2-acre lot were further excavated to a total depth of 9' below ground surface (bgs), which corresponds to the depth that would typically be excavated to construct a residence with a basement. Samples were collected directly from the backhoe bucket from depths of 4' and 9' using a new pair of disposable nitrile gloves for each sample.

Following sample collection, the test pits were backfilled and bucket tamped in lifts. Test pit locations were recorded with a Garmin Oregon 450 handheld GPS and marked with a wooden stake. GPS coordinates for sampling locations are provided in Appendix C.

Duplicate soil samples were collected at the rate of 1 per 10 samples (10%).

The sample jars were labeled, placed in an iced cooler, and transferred under chain-of-custody to SAGE's sample refrigerator. Samples collected from the 0-2" depth interval were screened through a #10 sieve following UPCM protocols (UPCM 2016); samples from the other depth

intervals were not sieved. Samples were stored at <6°C until delivered under chain-of-custody to American West Analytical Laboratories (AWAL) in Salt Lake City for analysis.

## **2.2 LABORATORY ANALYTICAL METHODS**

The surface (0-2" depth interval) samples from the test pits located in the center of each lot were analyzed for total 8 RCRA metals (arsenic, barium, cadmium, chromium, lead, selenium and silver using EPA Method 6020B and mercury using EPA Method 7471B). All other samples were analyzed only for total arsenic and lead using EPA Method 6020B.



### 3.0 RESULTS

#### 3.1 SOIL SAMPLING

Complete analytical results are presented in Appendix A, Table A-1, and laboratory analytical results reports are provided in Appendix B. Results are summarized in Table 3.0-1, below. EPA Regional Screening Levels (Master Summary Table, Residential Soil, June 2017) are included for comparison. Lead and arsenic concentrations are also shown on Figure 3 (samples from 0-2" and 6-12" depth intervals) and Figure 4 (samples from 4' and 9' depth intervals).

**Table 3.0-1. Data Summary Table (all concentrations in mg/kg).**

	Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium	Silver
USEPA RSLs	0.68	15,000	71	120,000	400	23	390	390
0-2" Depth Interval								
# of samples	62	20	20	20	62	20	20	20
Minimum	5.81	156.00	<0.937	25.10	17.40	<0.0374	<8.3	<1.54
Maximum	30.0	306.0	3.7	55.9	626	0.637	10.2	2.71
Mean	11.3	215.0	2.0	39.4	110.8	0.2	<9.3365	1.8
Mean + 2 SD	20.8	292.1	3.6	53.7	318.1	0.5	10.3	2.5
6-12" Depth Interval								
# of samples	61				61			
Minimum	3.74				11			
Maximum	32				531			
Mean	8.7				41.7			
Mean + 2 SD	19.1				182.5			
4' Depth Interval								
# of samples	20				20			
Minimum	<2.65				7.62			
Maximum	11.9				86.9			
Mean	4.8				15.9			
Mean + 2 SD	8.8				49.1			
9' Depth Interval								
# of samples	20				20			
Minimum	<2.45				6.36			
Maximum	13.7				172			
Mean	5.0				21.6			
Mean + 2 SD	10.8				95.6			

Red - Exceeds EPA Regional Screening Level for residential soil (June 2017).

Mean +2 SD – Mean plus 2 standard deviations.

Of the 20 soil samples analyzed for all 8 metals (the 0-2" depth interval from the center test pit on each of the 18 lots, plus 2 duplicates), only arsenic and lead exceeded their respective EPA Regional Screening Levels (RSLs). Based on this comparison, arsenic and lead are considered to be the only "contaminants of potential concern," and the other six metals are not evaluated further in this report.

As shown in Table 3.0-1, the upper 12" of soil had the highest arsenic and lead concentrations. The 0-2" depth interval had the highest mean concentrations of arsenic (11.3 mg/kg) and lead (110.8 mg/kg), with the 6-12" depth significantly lower (8.7 mg/kg arsenic and 41.7 mg/kg lead). The 4' and 9' depths had the lowest mean concentrations (arsenic 4.8 and 5.1 mg/kg and lead 15.9 and 21.6 mg/kg, respectively).

Of the 163 soil samples analyzed, all exceeded the EPA RSL for arsenic but only two samples exceeded the RSL for lead (Table 3.0-1). Elevated arsenic background concentrations are typical for the region and are further addressed in Section 3.2. Both of the samples that exceeded the lead RSL were from the test pit located on Lot 6 West (SGR-L6W): the 0-2" depth interval contained 626 mg/kg and the 6-12" interval contained 531 mg/kg lead (Figure 3). The next highest lead concentration reported was 301 mg/kg from SGR-L9W 0-2", which is only 75% of the RSL.

### **3.2 BACKGROUND STUDY**

Selected samples collected as a part of this sampling effort were used to conduct a background study. Under the assumption that irrigation with water diverted from Silver Creek was the primary mechanism by which soils on the Property would have become contaminated with arsenic and lead, samples collected from areas that had never been irrigated were used to estimate potential background concentrations. Based on field observations during the sampling, 10 locations were selected that either had no upgradient irrigation ditches (L8E, L14W, L14C, L14E, L14NE, L15W, L15C, L15E, and L15S) or were on a topographic high (L10W, L10C, and L10E) and would not have received irrigation flows. Arsenic and lead concentrations for the 14 background samples (12 locations and 2 duplicate samples) for the 0-2" and 6-12" depth intervals are shown in Table 3.0-2, below and on Figure 3.

Table 3.0-2. Arsenic and Lead Background Study

Sample Location	Arsenic (mg/kg)		Lead (mg/kg)	
	0-2"	6-12"	0-2"	6-12"
SGR-L8E	10.0	6.18	36.6	12.5
SGR-L10C	7.68	5.24	48.3	16.1
SGR-L10E	6.80	4.84	28.2	12.8
SGR-L10W	7.82	6.18	53.2	23.1
SGR-L14C	6.93	7.50	30.1	27.9
SGR-L14E	8.34	7.29	31.2	15.6
SGR-L14W	8.33	7.42	21.5	20.7
SGR-L21E*	8.28	6.83	24.4	14.0
SGR-L14NE	5.91	6.39	19.6	15.0
SGR-L15C	6.14	5.64	27.0	15.3
SGR-L15E	6.40	4.94	31.6	14.9
SGR-L15W	6.50	5.76	33.1	14.6
SGR-L15S	6.05	6.16	20.8	20.4
SGR-L22S*	5.81	NS	20.1	NS
Minimum	5.81	4.84	19.60	12.50
Maximum	10.00	7.50	53.20	27.90
Mean	7.2	6.2	30.4	17.1
Mean + 2 SD	9.6	7.9	49.9	25.9
USEPA RSLs	0.68		400	

Red - Exceeds EPA Regional Screening Level (June 2017)

\* - duplicate of above sample

NS - Not sampled.

Mean +2 SD – Mean plus 2 standard deviations.

Mean arsenic background concentrations were 7.2 mg/kg in the 0-2" interval and 6.2 mg/kg in the 6-12" depth interval. Mean background lead concentrations were 30.4 mg/kg in the 0-2" interval and 17.1 mg/kg in the 6-12" depth interval. Mean background arsenic concentrations in both depth intervals were approximately ten times the RSL, while mean background lead concentrations were less than 10% of the RSL.

### 3.3 QUALITY ASSURANCE

In general, there was good correlation between duplicate soil samples. Relative percent difference between duplicate samples was calculated for lead and arsenic because they were the only analytes that exceeded their screening levels (Appendix C, Table C-1). A typical target RPD for soil samples is 35%. RPDs for arsenic ranged from 0 to 26.5 with a mean of 6.2, and lead RPDs ranged from 0.8 to 44.8 with a mean of 14.2. Two of the 16 duplicate pairs, both from the 6-12" depth interval, exceeded an RPD of 35% for lead (at 38.6 and 44.8%). This is likely due to heterogeneity of the soil matrix since only the 0-2" depth interval was screened prior to analysis.



## **4.0 DISCUSSION AND CONCLUSIONS**

Results of this study indicate that of the metals analyzed, arsenic and lead are the only contaminants of potential concern. Concentrations of barium, cadmium, chromium, mercury, selenium and silver in samples from the upper foot of soil were all well below their respective EPA RSLs for a residential exposure scenario.

### **4.1 ARSENIC**

All soil samples collected contained arsenic concentrations that significantly exceeded the EPA RSL of 0.68 mg/kg. Concentrations ranged from the laboratory reporting limit of <2.45 mg/kg to 32 mg/kg with an overall mean of 8.7 mg/kg (Appendix A, Table A-1). These results were similar to those found in prior studies. Tetra Tech collected soil samples from the 0-6" depth interval from within the area of the proposed 18 lot development that had a mean arsenic concentration of 8.14 mg/kg (12 samples; maximum was 13.9 mg/kg) (UPCM 2014). Samples collected by Granite Environmental (Granite 2007) from the 0-6" layer of the southern and western borders of the Silver Gate Ranches property averaged 10.9 mg/kg arsenic (32 samples; maximum was 39 mg/kg).

### **4.2 LEAD**

Only two of the 163 samples exceeded the 400 mg/kg EPA RSL for lead, and both were collected from the same test pit (L6W), indicating that lead concentrations are generally not of concern over the area of the proposed 18 lot development. These two samples contained 531 and 626 mg/kg lead, and so were only moderately higher than the residential soil RSL. This test pit was located approximately 60' downgradient of an irrigation ditch, but was located in a low spot where irrigation water may have ponded.

### **4.3 BACKGROUND ARSENIC AND LEAD**

Soils in the Intermountain West in general and the Park City area in particular are known to have naturally high arsenic concentrations. Shacklette and Boerngen reported a mean arsenic concentration of 5.5 parts per million (ppm; equivalent to mg/kg) in the Western United States, with higher concentrations in the vicinity of the Park City, Utah (Shacklette and Boerngen 1984, Table 2 and Figure 4, respectively). Background concentrations for arsenic in soils at 12 CERLCA sites in the Salt Lake valley had a mean concentration of 13.83 mg/kg (UDEH 1991).

The results of this study suggest that the elevated background concentrations on the Property may be due to a combination of naturally occurring as well as anthropogenic sources since arsenic and lead concentrations in background samples collected from 0-2" are higher than in samples collected from 6-12" (Table 3.0-2). Air deposition may contribute to the higher surface concentrations of both arsenic and lead.

The mean arsenic concentrations in soil from the 0-2" (11.3 mg/kg) and 6-12" (8.7 mg/kg) depth intervals are slightly elevated relative to the background concentrations for each interval (7.2 and 6.2 mg/kg, respectively). The elevated concentrations of arsenic observed are likely due to the

effects of former irrigation of this area of the Property using water diverted from Silver Creek containing contaminated sediment. Although both significantly exceed the RSL, soil arsenic concentrations reported in this and earlier studies (Granite 2007, Tetra Tech 2008) of the proposed development area are much lower than arsenic action levels developed for remediating other mining waste-contaminated sites in Utah, as discussed below in Section 4.4.

Similarly, the mean lead concentrations in soil from the 0-2" (110.8 mg/kg) and 6-12" (41.7 mg/kg) depth intervals are elevated relative to the background concentrations for each interval (30.4 and 17.1 mg/kg, respectively), again likely due to past irrigation with Silver Creek water containing entrained tailings. However, they are significantly below the RSL of 400 mg/kg as well as lead action levels for similar sites (see Section 4.4). A single location exceeded the RSL in both the 0-2" and 6-12" sample.

#### **4.4 COMPARISON TO ACTION LEVELS FROM OTHER UTAH SITES**

Mean arsenic and lead concentrations in surface and subsurface soils at the Silver Gate Ranches proposed residential development appear to be slightly elevated compared to site specific background, and every sample exceeded the RSL for arsenic. Soil arsenic and lead concentrations from Silver Gate Ranches were compared to site specific cleanup levels developed for recent remediation activities conducted under Federal and State oversight at other mine waste impacted residential sites in Utah. Action levels from three Utah sites are discussed below:

**Silver Creek Village VCP Site, Park City, Utah** - The proposed Silver Creek Village received a Certificate of Completion 2014 from the Utah Division of Environmental Response and Remediation Voluntary Cleanup Program (VCP) with US EPA Region 8 concurrence. This site is an approximately 240 acre proposed residential/commercial development located at the northeast corner of the intersection of I-80 and U.S.-40 in Park City, UT. Soil on a 5 acre portion of the site was located within the Soil Overlay Zone and was found to have been impacted by arsenic and lead from past irrigation using water diverted from Silver Creek. Action levels for remediation were adopted from the Lower Silver Creek OU 1 screening levels (500 mg/kg lead and 100 mg/kg arsenic). Soil exceeding the screening level for lead was excavated and disposed of off-site at the Richardson Flat Repository; no soil exceeded the screening level for arsenic (SAGE 2013). No samples on the Silver Gate Ranches proposed subdivision exceeded the 100 mg/kg arsenic action level utilized for the Silver Creek Village site and only one sampling location in Lot 6 exceeded the lead action level utilized for that site.

**Jacobs Smelter Superfund Site, Stockton, Utah** - The Jacobs Smelter operated in the late 1800s and resulted in arsenic and lead contamination in site soils. In 2014, the Feasibility Study for Operable Unit 2 of the Jacobs Smelter site (URS 2014) identified Remediation Action Objectives for residential areas of the site which included preventing ingestion of arsenic-contaminated soils in excess of 100 mg/kg arsenic in surface and subsurface soil (0-12 inches below ground surface [bgs]) and of lead-contaminated soils in excess of 500 mg/kg in surface soils (0-2 inches bgs) and 800 mg/kg in sub-surface soils (2 to 12 inches bgs). No area on the Silver Gate Ranches proposed subdivision exceeded the 100 mg/kg arsenic action level applied at the Jacobs Smelter site and only the single sampling location in Lot 6 exceeded the lead action level utilized for that site.

**Kennecott South Zone Superfund Site, Salt Lake County, Utah** – A five-year review was completed on May 6, 2016 to evaluate whether the remedies selected in the Record of Decisions (RODs) remained protective of human health and the environment (UDEQ/EPA Region 8 2016). According to the five-year review report, the arsenic action level of 100 mg/kg that had been established for residential land use was reviewed and determined to be still generally acceptable to ensure protectiveness for public health and the environment. Lead action levels for residential sites varied from 700 to 1200 mg/kg were also still determined to be protective. No samples from the Silver Gate Ranches proposed subdivision exceeded either the arsenic or lead residential standards developed for the Kennecott site.

#### **4.5 CONCLUSIONS**

Arsenic and lead concentrations in samples collected from the upper foot of soil on the proposed 18 lot development area are elevated when compared to site-specific background concentrations. Although all samples exceeded the EPA RSL for arsenic, even the site-specific background arsenic concentrations exceed the RSL and are likely due to a combination of natural and anthropogenic factors. Only two of the samples exceeded the RSL for lead.

When compared to recent Federal and State-approved remedial action levels for three other mining-impacted sites in Utah, all of the 163 samples analyzed from the Silver Gate Ranch development are below the arsenic action level for residential exposures that was used at all three sites (100 mg/kg). Only two samples from one location exceeded the 500 mg/kg action level for lead for residential land use applied at the Silver Creek Village and Jacobs Smelter sites, and no samples exceeded the lead action levels applied at the Kennecott site (700 – 1200 mg/kg for residential land use). The maximum concentration of lead reported from Lot 6 (sample SGR-L6W-0-2”) was only 25% greater than the lowest action level (500 mg/kg), and the mean concentration for the 0-2” depth interval over Lot 6 was 323 mg/kg. Since risk is based on average concentrations over an exposure area, Lot 6 should not pose an unacceptable risk to human health.

The results of extensive soil sampling conducted on the proposed 18 lot Silver Gate Ranch development indicate that while arsenic and lead concentrations are somewhat elevated relative to site-specific background concentrations, they are well below recent remedial action levels used at other similar mining-impacted sites in Utah. Based on this comparison, we conclude that the proposed development area lies "outside of the impacted area" of the Richardson Flat Tailings Site Lower Silver Creek OU2.

## **5.0 LIMITATIONS**

SAGE has performed this soil sampling on the Property with the objective of determining if the soil had been impacted by mining wastes. This study and report was prepared in accordance with generally accepted professional consulting practices. No warranty, expressed or implied, is made regarding the findings and recommendations in this report.

## 6.0 REFERENCES

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## Figures





**Legend:**



Proposed Development Area  
(Lots 1-18)



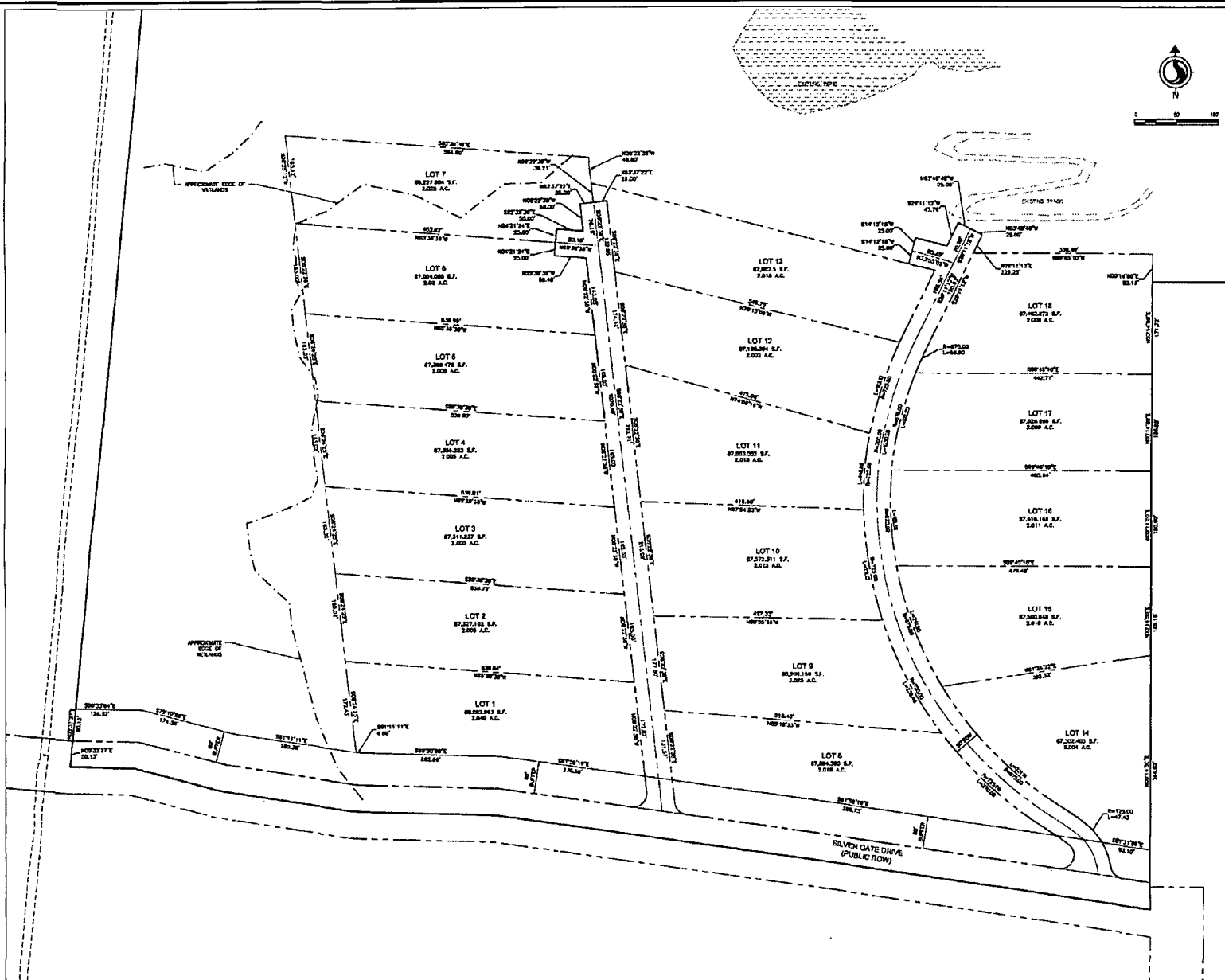
Silver Gate Ranches  
Property Boundary

**Resort Center  
Associates**  
Silver Gate Ranches  
Lots 1-18

**Figure 1**  
Property and Vicinity







**Legend:**



Proposed Development Area  
(Lots 1-18)

**Resort Center  
Associates**  
Silver Gate Ranches  
Lots 1-18

**Figure 2**

Proposed Development Plan







Legend

- Lot Boundaries
- Sample Location
- Background Sample

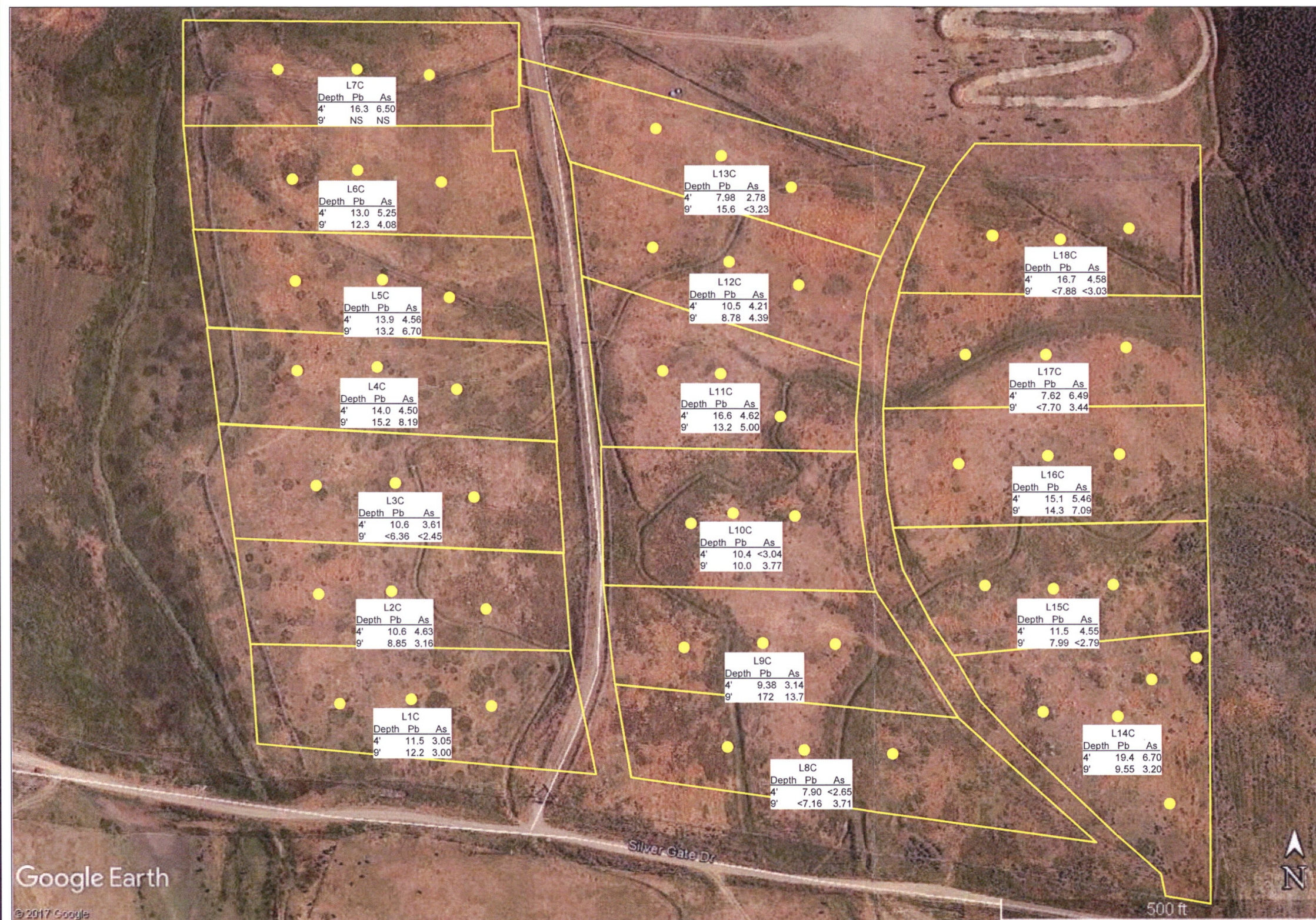
L1W Sample ID (e.g., Lot 1 West)  
Pb Lead in mg/kg  
As Arsenic in mg/kg



Resort Center Associates  
Soil Sampling Report  
Lots 1-18  
Shallow Soil Sampling Results  
May / June 2017

FIGURE 3





**Resort Center Associates  
Soil Sampling Report  
Lots 1-18**

**Deep Soil Sampling Results  
May / June 2017**

**FIGURE 4**



**Appendix A**

**Table A-1. Silver Gate Ranch Soil Sampling Results, May-June 2017**

Table A-1. Silver Gate Ranches Soil Sampling Results, May-June 2017 (all concentrations in mg/kg).

Sample ID	Date	Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium	Silver
EPA RSLs		0.68	15,000	71	120,000	400	23	390	390
SGR-L1C-0-2"	5/24/2017	5.88	179	1.15	32.0	40.4	0.0491	< 9.47	< 1.67
SGR-L1C-6-12"	5/24/2017	5.77				32.1			
SGR-L1C-4'	5/24/2017	3.05				11.5			
SGR-L1C-9'	5/24/2017	3.00				12.2			
SGR-L1E-0-2"	6/6/2017	7.50				46.1			
SGR-L1E-6-12"	6/6/2017	6.26				31.0			
SGR-L1W-0-2"	42892.00	6.15				40.5			
SGR-L1W-6-12"	6/6/2017	5.10				24.2			
SGR-L2C-0-2"	5/24/2017	8.96	156	2.13	33.1	136	0.299	< 8.70	< 1.54
SGR-L2C-6-12"	5/24/2017	5.06				13.1			
SGR-L2C-4'	5/24/2017	4.63				10.6			
SGR-L2C-9'	5/24/2017	3.16				8.85			
SGR-L2E-0-2"	6/6/2017	12.2				178			
SGR-L2E-6-12"	6/6/2017	9.78				44.5			
SGR-L2W-0-2"	42892.00	7.26				42.6			
SGR-L2W-6-12"	6/6/2017	6.86				38.9			
SGR-L3C-0-2"	5/24/2017	14.3	185	2.68	38.5	238	0.637	< 9.30	2.48
SGR-L3C-6-12"	5/24/2017	5.21				29.9			
SGR-L3C-4'	5/24/2017	3.61				10.6			
SGR-L19C-4'*	5/24/2017	3.37				8.74			
SGR-L3C-9'	5/24/2017	< 2.45				< 6.36			
SGR-L3E-0-2"	6/6/2017	11.7				155			
SGR-L3E-6-12"	6/6/2017	7.41				21.6			
SGR-L3W-0-2"	42892.00	7.07				48.4			
SGR-L3W-6-12"	6/6/2017	6.38				15.9			
SGR-L4C-0-2"	5/24/2017	7.67	176	1.21	33.4	47.9	0.0646	< 9.74	< 1.72
SGR-L4C-6-12"	5/24/2017	7.60				35.2			
SGR-L4C-4'	5/24/2017	4.50				14.0			
SGR-L4C-9'	5/24/2017	8.19				15.2			
SGR-L4E-0-2"	6/6/2017	10.2				77.0			
SGR-L4E-6-12"	6/6/2017	8.49				35.9			
SGR-L4W-0-2"	6/6/2017	8.14				43.6			
SGR-L22W-0-2"*	6/6/2017	7.88				44.7			
SGR-L4W-6-12"	6/6/2017	5.52				20.1			
SGR-L22W-6-12"*	6/6/2017	5.47				18.9			
SGR-L5C-0-2"	5/24/2017	17.4	208	3.27	51.4	258	0.504	< 9.00	2.48
SGR-L5C-6-12"	5/24/2017	13.1				169			
SGR-L5C-4'	5/24/2017	4.56				13.9			
SGR-L5C-9'	5/24/2017	6.70				13.2			
SGR-L5E-0-2"	6/6/2017	15.3				271			
SGR-L5E-6-12"	6/6/2017	10.4				64.0			
SGR-L5W-0-2"	6/6/2017	11.6				90.1			
SGR-L22W-4'*	6/6/2017	11.9				86.9			
SGR-L5W-6-12"	6/6/2017	11.2				58.1			
SGR-L22W-9'*	6/6/2017	11.1				70.8			
SGR-L6C-0-2"	5/24/2017	11.0	237	2.27	41.2	113	0.265	< 10.1	< 1.79
SGR-L6C-6-12"	5/24/2017	10.5				75.8			
SGR-L19C-6-12"*	5/24/2017	11.1				69.6			
SGR-L6C-4'	5/24/2017	5.25				13.0			

Sample ID	Date	Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium	Silver
EPA RSLs		0.68	15,000	71	120,000	400	23	390	390
SGR-L6C-9'	5/24/2017	4.08				12.3			
SGR-L6E-0-2"	6/6/2017	17.6				230			
SGR-L6E-6-12"	6/6/2017	11.7				85.4			
SGR-L6W-0-2"	6/6/2017	30.0				626			
SGR-L6W-6-12"	6/6/2017	29.6				531			
SGR-L7C-0-2"	5/24/2017	15.1	181	3.72	25.1	209	0.239	< 8.30	2.71
SGR-L7C-6-12"	5/24/2017	7.86				19.1			
SGR-L7C-4'	5/24/2017	6.50				16.3			
SGR-L7E-0-2"	6/6/2017	17.0				158			
SGR-L7E-6-12"	6/6/2017	9.04				27.1			
SGR-L7W-0-2"	6/6/2017	10.0				58.9			
SGR-L7W-6-12"	6/6/2017	7.86				20.3			
SGR-L8C-0-2"	5/24/2017	6.74	231	< 0.987	42.8	17.4	0.337	< 9.87	< 1.74
SGR-L8C-6-12"	5/24/2017	4.33				11.0			
SGR-L8C-4'	5/24/2017	< 2.65				7.90			
SGR-L8C-9'	5/24/2017	3.71				< 7.16			
SGR-L8E-0-2"	5/25/2017	10.0				36.6			
SGR-L8E-6-12"	5/25/2017	6.18				12.5			
SGR-L8W-0-2"	42880.0	13.7				200			
SGR-L8W-6-12"	5/25/2017	6.83				39.8			
SGR-L9C-0-2"	5/24/2017	9.62	175	2.01	40.7	87.1	0.189	< 9.25	< 1.63
SGR-L9C-6-12"	5/24/2017	3.74				11.3			
SGR-L9C-4'	5/24/2017	3.14				9.38			
SGR-L9C-9'	5/24/2017	13.7				172			
SGR-L9E-0-2"	5/25/2017	10.4				107			
SGR-L9E-6-12"	5/25/2017	6.85				36.1			
SGR-L9W-0-2"	5/25/2017	16.1				301			
SGR-L9W-6-12"	5/25/2017	4.04				17.4			
SGR-L10C-0-2"	5/24/2017	7.68	191	1.33	34.2	48.3	0.0967	< 8.81	< 1.56
SGR-L10C-6-12"	5/24/2017	5.24				16.1			
SGR-L10C-4'	5/24/2017	< 3.04				10.4			
SGR-L10C-9'	5/24/2017	3.77				10.0			
SGR-L19C-9'*	5/24/2017	3.38				9.92			
SGR-L10E-0-2"	5/25/2017	6.80				28.2			
SGR-L10E-6-12"	5/25/2017	4.84				12.8			
SGR-L10W-0-2"	5/25/2017	7.82				53.2			
SGR-L10W-6-12"	5/25/2017	6.18				23.1			
SGR-L11C-0-2"	5/24/2017	10.3	202	1.72	36.1	79.0	0.0997	< 9.16	< 1.62
SGR-L11C-6-12"	5/24/2017	5.96				17.8			
SGR-L11C-4'	5/24/2017	4.62				16.6			
SGR-L11C-9'	5/24/2017	5.00				13.2			
SGR-L11E-0-2"	5/25/2017	9.56				45.1			
SGR-L11E-6-12"	5/25/2017	11.9				17.5			
SGR-L11W-0-2"	5/25/2017	17.0				227			
SGR-L11W-6-12"	5/25/2017	10.5				69.2 <sup>a</sup>			
SGR-L12C-0-2"	5/24/2017	18.8	223	2.78	42.2	196	0.222	< 10.2	< 1.81
SGR-L19C-0-2"*	5/24/2017	18.6	296	3.13	47.5	183	0.202	< 9.83	< 1.73
SGR-L12C-6-12"	5/24/2017	12.6				109			
SGR-L12C-4'	5/24/2017	4.21				10.5			
SGR-L12C-9'	5/24/2017	4.39				8.78			

Sample ID	Date	Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium	Silver
EPA RSLs		0.68	15,000	71	120,000	400	23	390	390
SGR-L12E-0-2"	5/25/2017	15.4				135			
SGR-L12E-6-12"	5/25/2017	10.1				46.3			
SGR-L12W-0-2"	5/25/2017	13.0				93.0			
SGR-L12W-6-12"	5/25/2017	8.83				24.3			
SGR-L13C-0-2"	5/24/2017	11.8	202	1.53	43.0	74.6	0.0865	< 8.88	< 1.57
SGR-L13C-6-12"	5/24/2017	8.24				25.3			
SGR-L13C-4'	5/24/2017	2.78				7.98			
SGR-L13C-9'	5/24/2017	< 3.23				15.6			
SGR-L13E-0-2"	5/25/2017	19.3				251			
SGR-L21W-0-2"*	5/25/2017	19.4				212			
SGR-L13E-6-12"	5/25/2017	24.5				30.5			
SGR-L21W-6-12"*	5/25/2017	32.0				48.1			
SGR-L13W-0-2"	5/25/2017	12.9				86.1			
SGR-L13W-6-12"	5/25/2017	8.90				26.9			
SGR-L14C-0-2"	5/25/2017	6.93	208	< 0.937	30.2	30.1	< 0.0414	< 9.37	< 1.65
SGR-L14C-6-12"	5/25/2017	7.50				27.9			
SGR-L14C-4'	5/25/2017	6.70				19.4			
SGR-L14C-9'	5/25/2017	3.20				9.55			
SGR-L20C-9'*	5/25/2017	3.84				8.91			
SGR-L14E-0-2"	5/25/2017	8.34				31.2			
SGR-L14E-6-12"	5/25/2017	7.29				15.6			
SGR-L14NE-0-2"	6/6/2017	5.91				19.6			
SGR-L14NE-6-12"	6/6/2017	6.39				15.0			
SGR-L14W-0-2"	5/25/2017	8.33				21.5			
SGR-L21E-0-2"*	5/25/2017	8.28				24.4			
SGR-L14W-6-12"	5/25/2017	7.42				20.7			
SGR-L21E-6-12"*	5/25/2017	6.83				14.0			
SGR-L15C-0-2"	5/25/2017	6.14	232	< 0.938	35.1	27.0	< 0.0374	< 9.38	< 1.66
SGR-L15C-6-12"	5/25/2017	5.64				15.3			
SGR-L15C-4'	5/25/2017	4.55				11.5			
SGR-L15C-9'	5/25/2017	< 2.79				7.99			
SGR-L15E-0-2"	5/25/2017	6.40				31.6			
SGR-L15E-6-12"	5/25/2017	4.94				14.9			
SGR-L15S-0-2"	6/6/2017	6.05				20.8			
SGR-L22S-0-2"*	6/6/2017	5.81				20.1			
SGR-L15S-6-12"	6/6/2017	6.16				20.4			
SGR-L15W-0-2"	5/25/2017	6.50				33.1			
SGR-L15W-6-12"	5/25/2017	5.76				14.6			
SGR-L16C-0-2"	5/25/2017	11.60	225	2.50	40.7	124	0.212	< 9.62	< 1.70
SGR-L20C-0-2"*	5/25/2017	11.6	220	2.42	42.5	107	0.163	< 9.15	< 1.61
SGR-L16C-6-12"	5/25/2017	7.46				18.8			
SGR-L16C-4'	5/25/2017	5.46				15.1			
SGR-L16C-9'	5/25/2017	7.09				14.3			
SGR-L16E-0-2"	5/25/2017	10.2				60.0			
SGR-L16E-6-12"	5/25/2017	5.97				19.6			
SGR-L16W-0-2"	5/25/2017	8.11				62.3			
SGR-L16W-6-12"	5/25/2017	6.27				28.2			
SGR-L17C-0-2"	5/25/2017	11.0	267	1.94	55.9	84.7	0.164	< 9.30	< 1.64
SGR-L17C-6-12"	5/25/2017	7.87				17.8			
SGR-L17C-4'	5/25/2017	6.49				7.62			

Sample ID	Date	Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium	Silver
EPA RSLs		0.68	15,000	71	120,000	400	23	390	390
SGR-L17C-9'	5/25/2017	3.44				< 7.70			
SGR-L17E-0-2"	5/25/2017	9.46				41.9			
SGR-L17E-6-12"	5/25/2017	6.54				14.8			
SGR-L17W-0-2"	5/25/2017	21.5				293			
SGR-L17W-6-12"	5/25/2017	9.28				60.4			
SGR-L18C-0-2"	5/25/2017	10.2	306	1.79	42.6	71.7	0.102	< 9.30	< 1.64
SGR-L18C-6-12"	5/25/2017	6.97				14.5			
SGR-L20C-6-12"*	5/25/2017	7.63				18.0			
SGR-L18C-4'	5/25/2017	4.58				16.7			
SGR-L18C-9'	5/25/2017	< 3.03				< 7.88			
SGR-L18E-0-2"	5/25/2017	7.17				18.0			
SGR-L18E-6-12"	5/25/2017	7.08				14.6			
SGR-L18W-0-2"	5/25/2017	15.4				137			
SGR-L18W-6-12"	5/25/2017	10.5				58.3 <sup>a</sup>			
Minimum		< 2.45	156.00	< 0.937	25.10	< 6.36	< 0.0374	< 8.30	< 1.54
Maximum		32.00	306.00	3.72	55.90	626.00	0.64	< 10.20	2.71
Mean		8.7	215.0	2.0	39.4	62.1	0.2	9.3	1.8

\* - duplicate of above sample

< - Result is below the laboratory's reporting limit.

<sup>a</sup> Matrix spike recoveries and/or high RPDs indicate suspected sample non-homogeneity. The method is in control as indicated by the LCS.

**Appendix B**

**Laboratory Analytical Results Reports**

**(on CD)**





Laurie Goldner  
Sage Environmental, LLC  
807 East South Temple, Suite 100  
Salt Lake City, UT 84102  
TEL: (801) 322-2050

RE: Silver Gate Ranches

Dear Laurie Goldner:

Lab Set ID: 1706271

3440 South 700 West  
Salt Lake City, UT 84119

Phone: (801) 263-8686  
Toll Free: (888) 263-8686  
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web: [www.awal-labs.com](http://www.awal-labs.com)

American West Analytical Laboratories received sample(s) on 6/12/2017 for the analyses presented in the following report.

American West Analytical Laboratories (AWAL) is accredited by The National Environmental Laboratory Accreditation Program (NELAP) in Utah and Texas; and is state accredited in Colorado, Idaho, New Mexico, Wyoming, and Missouri.

All analyses were performed in accordance to the NELAP protocols unless noted otherwise. Accreditation scope documents are available upon request. If you have any questions or concerns regarding this report please feel free to call.

The abbreviation "Surr" found in organic reports indicates a surrogate compound that is intentionally added by the laboratory to determine sample injection, extraction, and/or purging efficiency. The "Reporting Limit" found on the report is equivalent to the practical quantitation limit (PQL). This is the minimum concentration that can be reported by the method referenced and the sample matrix. The reporting limit must not be confused with any regulatory limit. Analytical results are reported to three significant figures for quality control and calculation purposes.

Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer

Thank You,

Approved by: \_\_\_\_\_  
Laboratory Director or designee



## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC  
**Project:** Silver Gate Ranches  
**Lab Sample ID:** 1706271-001  
**Client Sample ID:** SGR-L1C-0-2"  
**Collection Date:** 5/24/2017 930h  
**Received Date:** 6/12/2017 1639h

**Contact:** Laurie Goldner

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/13/2017 930h	6/20/2017 1436h	SW6020B	2.78	<b>5.88</b>	
Barium	mg/kg-dry	6/13/2017 930h	6/20/2017 1916h	SW6020B	10.0	<b>179</b>	
Cadmium	mg/kg-dry	6/13/2017 930h	6/20/2017 1436h	SW6020B	0.947	<b>1.15</b>	
Chromium	mg/kg-dry	6/13/2017 930h	6/20/2017 1436h	SW6020B	11.1	<b>32.0</b>	
Lead	mg/kg-dry	6/13/2017 930h	6/20/2017 1436h	SW6020B	7.24	<b>40.4</b>	
Mercury	mg/kg-dry	6/16/2017 1545h	6/20/2017 1336h	SW7471B	0.0411	<b>0.0491</b>	
Selenium	mg/kg-dry	6/13/2017 930h	6/20/2017 1436h	SW6020B	9.47	< 9.47	
Silver	mg/kg-dry	6/13/2017 930h	6/20/2017 1436h	SW6020B	1.67	< 1.67	

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Kyle F. Gross

Laboratory Director

Jose Rocha

QA Officer



## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC  
**Project:** Silver Gate Ranches  
**Lab Sample ID:** 1706271-002  
**Client Sample ID:** SGR-L1C-6-12"  
**Collection Date:** 5/24/2017 934h  
**Received Date:** 6/12/2017 1639h

**Contact:** Laurie Goldner

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/13/2017 930h	6/20/2017 1438h	SW6020B	2.79	5.77	
Lead	mg/kg-dry	6/13/2017 930h	6/20/2017 1438h	SW6020B	7.27	32.1	

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Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer



## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC

**Contact:** Laurie Goldner

**Project:** Silver Gate Ranches

**Lab Sample ID:** 1706271-003

**Client Sample ID:** SGR-L1C-4'

**Collection Date:** 5/24/2017 937h

**Received Date:** 6/12/2017 1639h

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/13/2017 930h	6/20/2017 1441h	SW6020B	2.76	<b>3.05</b>	
Lead	mg/kg-dry	6/13/2017 930h	6/20/2017 1441h	SW6020B	7.18	<b>11.5</b>	

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Kyle F. Gross

Laboratory Director

Jose Rocha

QA Officer



## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC  
**Project:** Silver Gate Ranches  
**Lab Sample ID:** 1706271-004  
**Client Sample ID:** SGR-L1C-9'  
**Collection Date:** 5/24/2017 951h  
**Received Date:** 6/12/2017 1639h

**Contact:** Laurie Goldner

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/13/2017 930h	6/20/2017 1444h	SW6020B	2.76	<b>3.00</b>	
Lead	mg/kg-dry	6/13/2017 930h	6/20/2017 1444h	SW6020B	7.17	<b>12.2</b>	

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Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer



## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC  
**Project:** Silver Gate Ranches  
**Lab Sample ID:** 1706271-005  
**Client Sample ID:** SGR-L2C-0-2"  
**Collection Date:** 5/24/2017 1011h  
**Received Date:** 6/12/2017 1639h

**Contact:** Laurie Goldner

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/13/2017 930h	6/20/2017 1447h	SW6020B	2.56	<b>8.96</b>	
Barium	mg/kg-dry	6/13/2017 930h	6/20/2017 1919h	SW6020B	9.22	<b>156</b>	
Cadmium	mg/kg-dry	6/13/2017 930h	6/20/2017 1447h	SW6020B	0.870	<b>2.13</b>	
Chromium	mg/kg-dry	6/13/2017 930h	6/20/2017 1447h	SW6020B	10.2	<b>33.1</b>	
Lead	mg/kg-dry	6/13/2017 930h	6/20/2017 1447h	SW6020B	6.66	<b>136</b>	
Mercury	mg/kg-dry	6/16/2017 1545h	6/20/2017 1341h	SW7471B	0.0381	<b>0.299</b>	
Selenium	mg/kg-dry	6/13/2017 930h	6/20/2017 1447h	SW6020B	8.70	< 8.70	
Silver	mg/kg-dry	6/13/2017 930h	6/20/2017 1447h	SW6020B	1.54	< 1.54	

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## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC

**Contact:** Laurie Goldner

**Project:** Silver Gate Ranches

**Lab Sample ID:** 1706271-006

**Client Sample ID:** SGR-L2C-6-12"

**Collection Date:** 5/24/2017 1017h

**Received Date:** 6/12/2017 1639h

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/13/2017 930h	6/20/2017 1450h	SW6020B	2.79	<b>5.06</b>	
Lead	mg/kg-dry	6/13/2017 930h	6/20/2017 1450h	SW6020B	7.25	<b>13.1</b>	

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## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC

**Contact:** Laurie Goldner

**Project:** Silver Gate Ranches

**Lab Sample ID:** 1706271-007

**Client Sample ID:** SGR-L2C-4'

**Collection Date:** 5/24/2017 1022h

**Received Date:** 6/12/2017 1639h

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/13/2017 930h	6/20/2017 1453h	SW6020B	2.87	<b>4.63</b>	
Lead	mg/kg-dry	6/13/2017 930h	6/20/2017 1453h	SW6020B	7.47	<b>10.6</b>	

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## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC

**Contact:** Laurie Goldner

**Project:** Silver Gate Ranches

**Lab Sample ID:** 1706271-008

**Client Sample ID:** SGR-L2C-9'

**Collection Date:** 5/24/2017 1034h

**Received Date:** 6/12/2017 1639h

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/13/2017 930h	6/20/2017 1456h	SW6020B	2.80	<b>3.16</b>	
Lead	mg/kg-dry	6/13/2017 930h	6/20/2017 1456h	SW6020B	7.27	<b>8.85</b>	

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## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC  
**Project:** Silver Gate Ranches  
**Lab Sample ID:** 1706271-009  
**Client Sample ID:** SGR-L3C-0-2"  
**Collection Date:** 5/24/2017 1051h  
**Received Date:** 6/12/2017 1639h

**Contact:** Laurie Goldner

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/13/2017 930h	6/20/2017 1507h	SW6020B	2.74	<b>14.3</b>	
Barium	mg/kg-dry	6/13/2017 930h	6/20/2017 1922h	SW6020B	9.85	<b>185</b>	
Cadmium	mg/kg-dry	6/13/2017 930h	6/20/2017 1507h	SW6020B	0.930	<b>2.68</b>	
Chromium	mg/kg-dry	6/13/2017 930h	6/20/2017 1507h	SW6020B	10.9	<b>38.5</b>	
Lead	mg/kg-dry	6/13/2017 930h	6/20/2017 1507h	SW6020B	7.11	<b>238</b>	
Mercury	mg/kg-dry	6/16/2017 1545h	6/20/2017 1343h	SW7471B	0.0412	<b>0.637</b>	
Selenium	mg/kg-dry	6/13/2017 930h	6/20/2017 1507h	SW6020B	9.30	< 9.30	
Silver	mg/kg-dry	6/13/2017 930h	6/20/2017 1507h	SW6020B	1.64	<b>2.48</b>	

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## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC  
**Project:** Silver Gate Ranches  
**Lab Sample ID:** 1706271-010  
**Client Sample ID:** SGR-L3C-6-12"  
**Collection Date:** 5/24/2017 1055h  
**Received Date:** 6/12/2017 1639h

**Contact:** Laurie Goldner

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/13/2017 930h	6/20/2017 1510h	SW6020B	2.76	<b>5.21</b>	
Lead	mg/kg-dry	6/13/2017 930h	6/20/2017 1510h	SW6020B	7.18	<b>29.9</b>	

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## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC

**Contact:** Laurie Goldner

**Project:** Silver Gate Ranches

**Lab Sample ID:** 1706271-011

**Client Sample ID:** SGR-L3C-4'

**Collection Date:** 5/24/2017 1059h

**Received Date:** 6/12/2017 1639h

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/13/2017 930h	6/20/2017 1513h	SW6020B	2.85	<b>3.61</b>	
Lead	mg/kg-dry	6/13/2017 930h	6/20/2017 1513h	SW6020B	7.40	<b>10.6</b>	

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## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC  
**Project:** Silver Gate Ranches  
**Lab Sample ID:** 1706271-012  
**Client Sample ID:** SGR-L3C-9'  
**Collection Date:** 5/24/2017 1111h  
**Received Date:** 6/12/2017 1639h

**Contact:** Laurie Goldner

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/13/2017 930h	6/20/2017 1516h	SW6020B	2.45	< 2.45	
Lead	mg/kg-dry	6/13/2017 930h	6/20/2017 1516h	SW6020B	6.36	< 6.36	

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## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC  
**Project:** Silver Gate Ranches  
**Lab Sample ID:** 1706271-013  
**Client Sample ID:** SGR-L4C-0-2"  
**Collection Date:** 5/24/2017 1133h  
**Received Date:** 6/12/2017 1639h

**Contact:** Laurie Goldner

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/13/2017 930h	6/20/2017 1519h	SW6020B	2.86	<b>7.67</b>	
Barium	mg/kg-dry	6/13/2017 930h	6/20/2017 1925h	SW6020B	10.3	<b>176</b>	
Cadmium	mg/kg-dry	6/13/2017 930h	6/20/2017 1519h	SW6020B	0.974	<b>1.21</b>	
Chromium	mg/kg-dry	6/13/2017 930h	6/20/2017 1519h	SW6020B	11.5	<b>33.4</b>	
Lead	mg/kg-dry	6/13/2017 930h	6/20/2017 1519h	SW6020B	7.45	<b>47.9</b>	
Mercury	mg/kg-dry	6/16/2017 1545h	6/20/2017 1348h	SW7471B	0.0422	<b>0.0646</b>	
Selenium	mg/kg-dry	6/13/2017 930h	6/20/2017 1519h	SW6020B	9.74	< 9.74	
Silver	mg/kg-dry	6/13/2017 930h	6/20/2017 1519h	SW6020B	1.72	< 1.72	

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## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC  
**Project:** Silver Gate Ranches  
**Lab Sample ID:** 1706271-014  
**Client Sample ID:** SGR-L4C-6-12"  
**Collection Date:** 5/24/2017 1143h  
**Received Date:** 6/12/2017 1639h

**Contact:** Laurie Goldner

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/13/2017 930h	6/20/2017 1522h	SW6020B	2.82	<b>7.60</b>	
Lead	mg/kg-dry	6/13/2017 930h	6/20/2017 1522h	SW6020B	7.34	<b>35.2</b>	

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## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC

**Contact:** Laurie Goldner

**Project:** Silver Gate Ranches

**Lab Sample ID:** 1706271-015

**Client Sample ID:** SGR-L4C-4'

**Collection Date:** 5/24/2017 1146h

**Received Date:** 6/12/2017 1639h

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/13/2017 1442h	6/22/2017 1402h	SW6020B	2.70	<b>4.50</b>	
Lead	mg/kg-dry	6/13/2017 1442h	6/22/2017 1402h	SW6020B	7.02	<b>14.0</b>	

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## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC

**Contact:** Laurie Goldner

**Project:** Silver Gate Ranches

**Lab Sample ID:** 1706271-016

**Client Sample ID:** SGR-L4C-9'

**Collection Date:** 5/24/2017 1200h

**Received Date:** 6/12/2017 1639h

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/13/2017 1442h	6/22/2017 1416h	SW6020B	2.87	<b>8.19</b>	
Lead	mg/kg-dry	6/13/2017 1442h	6/22/2017 1416h	SW6020B	7.47	<b>15.2</b>	

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## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC  
**Project:** Silver Gate Ranches  
**Lab Sample ID:** 1706271-017  
**Client Sample ID:** SGR-L5C-0-2"  
**Collection Date:** 5/24/2017 1214h  
**Received Date:** 6/12/2017 1639h

**Contact:** Laurie Goldner

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/13/2017 1442h	6/22/2017 1419h	SW6020B	2.65	<b>17.4</b>	
Barium	mg/kg-dry	6/13/2017 1442h	6/22/2017 1419h	SW6020B	4.76	<b>208</b>	
Cadmium	mg/kg-dry	6/13/2017 1442h	6/22/2017 1419h	SW6020B	0.900	<b>3.27</b>	
Chromium	mg/kg-dry	6/13/2017 1442h	6/22/2017 1419h	SW6020B	10.6	<b>51.4</b>	
Lead	mg/kg-dry	6/13/2017 1442h	6/22/2017 1419h	SW6020B	6.88	<b>258</b>	
Mercury	mg/kg-dry	6/16/2017 1545h	6/20/2017 1350h	SW7471B	0.0393	<b>0.504</b>	
Selenium	mg/kg-dry	6/13/2017 1442h	6/22/2017 1419h	SW6020B	9.00	< 9.00	
Silver	mg/kg-dry	6/13/2017 1442h	6/22/2017 1419h	SW6020B	1.59	<b>2.48</b>	

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## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC

**Contact:** Laurie Goldner

**Project:** Silver Gate Ranches

**Lab Sample ID:** 1706271-018

**Client Sample ID:** SGR-L5C-6-12"

**Collection Date:** 5/24/2017 1218h

**Received Date:** 6/12/2017 1639h

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/13/2017 1442h	6/22/2017 1422h	SW6020B	2.93	<b>13.1</b>	
Lead	mg/kg-dry	6/13/2017 1442h	6/22/2017 1422h	SW6020B	7.61	<b>169</b>	

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## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC

**Contact:** Laurie Goldner

**Project:** Silver Gate Ranches

**Lab Sample ID:** 1706271-019

**Client Sample ID:** SGR-L5C-4'

**Collection Date:** 5/24/2017 1226h

**Received Date:** 6/12/2017 1639h

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/13/2017 1442h	6/22/2017 1433h	SW6020B	2.80	<b>4.56</b>	
Lead	mg/kg-dry	6/13/2017 1442h	6/22/2017 1433h	SW6020B	7.28	<b>13.9</b>	

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## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC

**Contact:** Laurie Goldner

**Project:** Silver Gate Ranches

**Lab Sample ID:** 1706271-020

**Client Sample ID:** SGR-L5C-9'

**Collection Date:** 5/24/2017 1232h

**Received Date:** 6/12/2017 1639h

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/13/2017 1442h	6/22/2017 1436h	SW6020B	3.23	<b>6.70</b>	
Lead	mg/kg-dry	6/13/2017 1442h	6/22/2017 1436h	SW6020B	8.40	<b>13.2</b>	

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## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC  
**Project:** Silver Gate Ranches  
**Lab Sample ID:** 1706271-021  
**Client Sample ID:** SGR-L6C-0-2"  
**Collection Date:** 5/24/2017 1326h  
**Received Date:** 6/12/2017 1639h

**Contact:** Laurie Goldner

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/13/2017 1442h	6/22/2017 1439h	SW6020B	2.98	11.0	
Barium	mg/kg-dry	6/13/2017 1442h	6/22/2017 1439h	SW6020B	5.37	237	
Cadmium	mg/kg-dry	6/13/2017 1442h	6/22/2017 1439h	SW6020B	1.01	2.27	
Chromium	mg/kg-dry	6/13/2017 1442h	6/22/2017 1439h	SW6020B	11.9	41.2	
Lead	mg/kg-dry	6/13/2017 1442h	6/22/2017 1439h	SW6020B	7.76	113	
Mercury	mg/kg-dry	6/16/2017 1545h	6/20/2017 1352h	SW7471B	0.0411	0.265	
Selenium	mg/kg-dry	6/13/2017 1442h	6/22/2017 1439h	SW6020B	10.1	< 10.1	
Silver	mg/kg-dry	6/13/2017 1442h	6/22/2017 1439h	SW6020B	1.79	< 1.79	

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## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC  
**Project:** Silver Gate Ranches  
**Lab Sample ID:** 1706271-022  
**Client Sample ID:** SGR-L6C-6-12"  
**Collection Date:** 5/24/2017 1330h  
**Received Date:** 6/12/2017 1639h

**Contact:** Laurie Goldner

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/13/2017 1442h	6/22/2017 1442h	SW6020B	2.73	10.5	
Lead	mg/kg-dry	6/13/2017 1442h	6/22/2017 1442h	SW6020B	7.11	75.8	

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## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC

**Contact:** Laurie Goldner

**Project:** Silver Gate Ranches

**Lab Sample ID:** 1706271-023

**Client Sample ID:** SGR-L6C-4'

**Collection Date:** 5/24/2017 1334h

**Received Date:** 6/12/2017 1639h

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/13/2017 1442h	6/22/2017 1445h	SW6020B	3.17	<b>5.25</b>	
Lead	mg/kg-dry	6/13/2017 1442h	6/22/2017 1445h	SW6020B	8.24	<b>13.0</b>	

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## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC

**Contact:** Laurie Goldner

**Project:** Silver Gate Ranches

**Lab Sample ID:** 1706271-024

**Client Sample ID:** SGR-L6C-9'

**Collection Date:** 5/24/2017 1342h

**Received Date:** 6/12/2017 1639h

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/13/2017 1442h	6/22/2017 1448h	SW6020B	2.79	<b>4.08</b>	
Lead	mg/kg-dry	6/13/2017 1442h	6/22/2017 1448h	SW6020B	7.27	<b>12.3</b>	

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## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC  
**Project:** Silver Gate Ranches  
**Lab Sample ID:** 1706271-025  
**Client Sample ID:** SGR-L7C-0-2"  
**Collection Date:** 5/24/2017 1408h  
**Received Date:** 6/12/2017 1639h

**Contact:** Laurie Goldner

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/13/2017 1442h	6/22/2017 1451h	SW6020B	2.44	<b>15.1</b>	
Barium	mg/kg-dry	6/13/2017 1442h	6/22/2017 1451h	SW6020B	4.40	<b>181</b>	
Cadmium	mg/kg-dry	6/13/2017 1442h	6/22/2017 1451h	SW6020B	0.830	<b>3.72</b>	
Chromium	mg/kg-dry	6/13/2017 1442h	6/22/2017 1451h	SW6020B	9.77	<b>25.1</b>	
Lead	mg/kg-dry	6/13/2017 1442h	6/22/2017 1451h	SW6020B	6.35	<b>209</b>	
Mercury	mg/kg-dry	6/16/2017 1545h	6/20/2017 1353h	SW7471B	0.0354	<b>0.239</b>	
Selenium	mg/kg-dry	6/13/2017 1442h	6/22/2017 1451h	SW6020B	8.30	< 8.30	
Silver	mg/kg-dry	6/13/2017 1442h	6/22/2017 1451h	SW6020B	1.47	<b>2.71</b>	

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## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC

**Contact:** Laurie Goldner

**Project:** Silver Gate Ranches

**Lab Sample ID:** 1706271-026

**Client Sample ID:** SGR-L7C-6-12"

**Collection Date:** 5/24/2017 1427h

**Received Date:** 6/12/2017 1639h

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/13/2017 1442h	6/22/2017 1453h	SW6020B	3.42	<b>7.86</b>	
Lead	mg/kg-dry	6/13/2017 1442h	6/22/2017 1453h	SW6020B	8.90	<b>19.1</b>	

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## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC

**Contact:** Laurie Goldner

**Project:** Silver Gate Ranches

**Lab Sample ID:** 1706271-027

**Client Sample ID:** SGR-L7C-4'

**Collection Date:** 5/24/2017 1437h

**Received Date:** 6/12/2017 1639h

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/13/2017 1442h	6/22/2017 1456h	SW6020B	3.30	<b>6.50</b>	
Lead	mg/kg-dry	6/13/2017 1442h	6/22/2017 1456h	SW6020B	8.59	<b>16.3</b>	

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## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC  
**Project:** Silver Gate Ranches  
**Lab Sample ID:** 1706271-028  
**Client Sample ID:** SGR-L13C-0-2"  
**Collection Date:** 5/24/2017 1505h  
**Received Date:** 6/12/2017 1639h

**Contact:** Laurie Goldner

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/13/2017 1442h	6/22/2017 1459h	SW6020B	2.61	<b>11.8</b>	
Barium	mg/kg-dry	6/13/2017 1442h	6/22/2017 1459h	SW6020B	4.70	<b>202</b>	
Cadmium	mg/kg-dry	6/13/2017 1442h	6/22/2017 1459h	SW6020B	0.888	<b>1.53</b>	
Chromium	mg/kg-dry	6/13/2017 1442h	6/22/2017 1459h	SW6020B	10.4	<b>43.0</b>	
Lead	mg/kg-dry	6/13/2017 1442h	6/22/2017 1459h	SW6020B	6.79	<b>74.6</b>	
Mercury	mg/kg-dry	6/16/2017 1545h	6/20/2017 1355h	SW7471B	0.0424	<b>0.0865</b>	
Selenium	mg/kg-dry	6/13/2017 1442h	6/22/2017 1459h	SW6020B	8.88	< 8.88	
Silver	mg/kg-dry	6/13/2017 1442h	6/22/2017 1459h	SW6020B	1.57	< 1.57	

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## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC

**Contact:** Laurie Goldner

**Project:** Silver Gate Ranches

**Lab Sample ID:** 1706271-029

**Client Sample ID:** SGR-L13C-6-12"

**Collection Date:** 5/24/2017 1510h

**Received Date:** 6/12/2017 1639h

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/13/2017 1442h	6/22/2017 1511h	SW6020B	2.68	<b>8.24</b>	
Lead	mg/kg-dry	6/13/2017 1442h	6/22/2017 1511h	SW6020B	6.96	<b>25.3</b>	

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## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC

**Contact:** Laurie Goldner

**Project:** Silver Gate Ranches

**Lab Sample ID:** 1706271-030

**Client Sample ID:** SGR-L13C-4'

**Collection Date:** 5/24/2017 1513h

**Received Date:** 6/12/2017 1639h

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/13/2017 1442h	6/22/2017 1514h	SW6020B	2.57	<b>2.78</b>	
Lead	mg/kg-dry	6/13/2017 1442h	6/22/2017 1514h	SW6020B	6.69	<b>7.98</b>	

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## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC

**Contact:** Laurie Goldner

**Project:** Silver Gate Ranches

**Lab Sample ID:** 1706271-031

**Client Sample ID:** SGR-L13C-9'

**Collection Date:** 5/24/2017 1522h

**Received Date:** 6/12/2017 1639h

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/13/2017 1442h	6/22/2017 1517h	SW6020B	3.23	< 3.23	
Lead	mg/kg-dry	6/13/2017 1442h	6/22/2017 1517h	SW6020B	8.39	<b>15.6</b>	

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## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC  
**Project:** Silver Gate Ranches  
**Lab Sample ID:** 1706271-032  
**Client Sample ID:** SGR-L12C-0-2"  
**Collection Date:** 5/24/2017 1537h  
**Received Date:** 6/12/2017 1639h

**Contact:** Laurie Goldner

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/13/2017 1442h	6/22/2017 1520h	SW6020B	3.01	<b>18.8</b>	
Barium	mg/kg-dry	6/13/2017 1442h	6/22/2017 1520h	SW6020B	5.42	<b>223</b>	
Cadmium	mg/kg-dry	6/13/2017 1442h	6/22/2017 1520h	SW6020B	1.02	<b>2.78</b>	
Chromium	mg/kg-dry	6/13/2017 1442h	6/22/2017 1520h	SW6020B	12.0	<b>42.2</b>	
Lead	mg/kg-dry	6/13/2017 1442h	6/22/2017 1520h	SW6020B	7.83	<b>196</b>	
Mercury	mg/kg-dry	6/16/2017 1545h	6/20/2017 1357h	SW7471B	0.0379	<b>0.222</b>	
Selenium	mg/kg-dry	6/13/2017 1442h	6/22/2017 1551h	SW6020B	10.2	< 10.2	
Silver	mg/kg-dry	6/13/2017 1442h	6/22/2017 1520h	SW6020B	1.81	< 1.81	

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## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC  
**Project:** Silver Gate Ranches  
**Lab Sample ID:** 1706271-033  
**Client Sample ID:** SGR-L12C-6-12"  
**Collection Date:** 5/24/2017 1551h  
**Received Date:** 6/12/2017 1639h

**Contact:** Laurie Goldner

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/13/2017 1442h	6/22/2017 1522h	SW6020B	2.75	12.6	
Lead	mg/kg-dry	6/13/2017 1442h	6/22/2017 1522h	SW6020B	7.15	109	

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## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC

**Contact:** Laurie Goldner

**Project:** Silver Gate Ranches

**Lab Sample ID:** 1706271-034

**Client Sample ID:** SGR-L12C-4'

**Collection Date:** 5/24/2017 1554h

**Received Date:** 6/12/2017 1639h

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/13/2017 1442h	6/22/2017 1525h	SW6020B	2.90	<b>4.21</b>	
Lead	mg/kg-dry	6/13/2017 1442h	6/22/2017 1525h	SW6020B	7.55	<b>10.5</b>	

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## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC

**Contact:** Laurie Goldner

**Project:** Silver Gate Ranches

**Lab Sample ID:** 1706271-035

**Client Sample ID:** SGR-L12C-9'

**Collection Date:** 5/24/2017 1604h

**Received Date:** 6/12/2017 1639h

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/14/2017 1530h	6/16/2017 1029h	SW6020B	2.91	<b>4.39</b>	
Lead	mg/kg-dry	6/14/2017 1530h	6/16/2017 1029h	SW6020B	7.56	<b>8.78</b>	

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## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC  
**Project:** Silver Gate Ranches  
**Lab Sample ID:** 1706271-036  
**Client Sample ID:** SGR-L11C-0-2"  
**Collection Date:** 5/24/2017 1622h  
**Received Date:** 6/12/2017 1639h

**Contact:** Laurie Goldner

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/14/2017 1530h	6/16/2017 1032h	SW6020B	2.70	<b>10.3</b>	
Barium	mg/kg-dry	6/14/2017 1530h	6/16/2017 1032h	SW6020B	4.85	<b>202</b>	
Cadmium	mg/kg-dry	6/14/2017 1530h	6/16/2017 1032h	SW6020B	0.916	<b>1.72</b>	
Chromium	mg/kg-dry	6/14/2017 1530h	6/16/2017 1032h	SW6020B	10.8	<b>36.1</b>	
Lead	mg/kg-dry	6/14/2017 1530h	6/16/2017 1032h	SW6020B	7.01	<b>79.0</b>	
Mercury	mg/kg-dry	6/16/2017 1545h	6/20/2017 1359h	SW7471B	0.0420	<b>0.0997</b>	
Selenium	mg/kg-dry	6/14/2017 1530h	6/16/2017 1032h	SW6020B	9.16	< 9.16	
Silver	mg/kg-dry	6/14/2017 1530h	6/16/2017 1032h	SW6020B	1.62	< 1.62	

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## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC  
**Project:** Silver Gate Ranches  
**Lab Sample ID:** 1706271-037  
**Client Sample ID:** SGR-L11C-6-12"  
**Collection Date:** 5/24/2017 1626h  
**Received Date:** 6/12/2017 1639h

**Contact:** Laurie Goldner

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/14/2017 1530h	6/16/2017 1035h	SW6020B	2.70	<b>5.96</b>	
Lead	mg/kg-dry	6/14/2017 1530h	6/16/2017 1035h	SW6020B	7.01	<b>17.8</b>	

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## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC

**Contact:** Laurie Goldner

**Project:** Silver Gate Ranches

**Lab Sample ID:** 1706271-038

**Client Sample ID:** SGR-L11C-4'

**Collection Date:** 5/24/2017 1631h

**Received Date:** 6/12/2017 1639h

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/14/2017 1530h	6/16/2017 1041h	SW6020B	2.65	<b>4.62</b>	
Lead	mg/kg-dry	6/14/2017 1530h	6/16/2017 1041h	SW6020B	6.90	<b>16.6</b>	

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## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC

**Contact:** Laurie Goldner

**Project:** Silver Gate Ranches

**Lab Sample ID:** 1706271-039

**Client Sample ID:** SGR-L11C-9'

**Collection Date:** 5/24/2017 1638h

**Received Date:** 6/12/2017 1639h

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/14/2017 1530h	6/16/2017 1044h	SW6020B	2.87	<b>5.00</b>	
Lead	mg/kg-dry	6/14/2017 1530h	6/16/2017 1044h	SW6020B	7.46	<b>13.2</b>	

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## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC  
**Project:** Silver Gate Ranches  
**Lab Sample ID:** 1706271-040  
**Client Sample ID:** SGR-L10C-0-2"  
**Collection Date:** 5/24/2017 1653h  
**Received Date:** 6/12/2017 1639h

**Contact:** Laurie Goldner

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/14/2017 1530h	6/16/2017 1047h	SW6020B	2.59	<b>7.68</b>	
Barium	mg/kg-dry	6/14/2017 1530h	6/16/2017 1047h	SW6020B	4.67	<b>191</b>	
Cadmium	mg/kg-dry	6/14/2017 1530h	6/16/2017 1047h	SW6020B	0.881	<b>1.33</b>	
Chromium	mg/kg-dry	6/14/2017 1530h	6/16/2017 1047h	SW6020B	10.4	<b>34.2</b>	
Lead	mg/kg-dry	6/14/2017 1530h	6/16/2017 1047h	SW6020B	6.74	<b>48.3</b>	
Mercury	mg/kg-dry	6/16/2017 1545h	6/20/2017 1401h	SW7471B	0.0416	<b>0.0967</b>	
Selenium	mg/kg-dry	6/14/2017 1530h	6/16/2017 1047h	SW6020B	8.81	< 8.81	
Silver	mg/kg-dry	6/14/2017 1530h	6/16/2017 1047h	SW6020B	1.56	< 1.56	

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## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC

**Contact:** Laurie Goldner

**Project:** Silver Gate Ranches

**Lab Sample ID:** 1706271-041

**Client Sample ID:** SGR-L10C-6-12"

**Collection Date:** 5/24/2017 1656h

**Received Date:** 6/12/2017 1639h

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/14/2017 1530h	6/16/2017 1050h	SW6020B	2.76	<b>5.24</b>	
Lead	mg/kg-dry	6/14/2017 1530h	6/16/2017 1050h	SW6020B	7.18	<b>16.1</b>	

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## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC

**Contact:** Laurie Goldner

**Project:** Silver Gate Ranches

**Lab Sample ID:** 1706271-042

**Client Sample ID:** SGR-L10C-4'

**Collection Date:** 5/24/2017 1658h

**Received Date:** 6/12/2017 1639h

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/14/2017 1530h	6/16/2017 1053h	SW6020B	3.04	< 3.04	
Lead	mg/kg-dry	6/14/2017 1530h	6/16/2017 1053h	SW6020B	7.90	<b>10.4</b>	

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## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC

**Contact:** Laurie Goldner

**Project:** Silver Gate Ranches

**Lab Sample ID:** 1706271-043

**Client Sample ID:** SGR-L10C-9'

**Collection Date:** 5/24/2017 1704h

**Received Date:** 6/12/2017 1639h

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/14/2017 1530h	6/16/2017 1055h	SW6020B	2.78	<b>3.77</b>	
Lead	mg/kg-dry	6/14/2017 1530h	6/16/2017 1055h	SW6020B	7.24	<b>10.0</b>	

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## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC  
**Project:** Silver Gate Ranches  
**Lab Sample ID:** 1706271-044  
**Client Sample ID:** SGR-L9C-0-2"  
**Collection Date:** 5/24/2017 1729h  
**Received Date:** 6/12/2017 1639h

**Contact:** Laurie Goldner

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/14/2017 1530h	6/16/2017 1107h	SW6020B	2.72	<b>9.62</b>	
Barium	mg/kg-dry	6/14/2017 1530h	6/16/2017 1107h	SW6020B	4.90	<b>175</b>	
Cadmium	mg/kg-dry	6/14/2017 1530h	6/16/2017 1107h	SW6020B	0.925	<b>2.01</b>	
Chromium	mg/kg-dry	6/14/2017 1530h	6/16/2017 1107h	SW6020B	10.9	<b>40.7</b>	
Lead	mg/kg-dry	6/14/2017 1530h	6/16/2017 1107h	SW6020B	7.07	<b>87.1</b>	
Mercury	mg/kg-dry	6/16/2017 1545h	6/20/2017 1402h	SW7471B	0.0442	<b>0.189</b>	
Selenium	mg/kg-dry	6/14/2017 1530h	6/16/2017 1107h	SW6020B	9.25	< 9.25	
Silver	mg/kg-dry	6/14/2017 1530h	6/16/2017 1107h	SW6020B	1.63	< 1.63	

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## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC

**Contact:** Laurie Goldner

**Project:** Silver Gate Ranches

**Lab Sample ID:** 1706271-045

**Client Sample ID:** SGR-L9C-6-12"

**Collection Date:** 5/24/2017 1738h

**Received Date:** 6/12/2017 1639h

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/14/2017 1530h	6/16/2017 1110h	SW6020B	2.87	<b>3.74</b>	
Lead	mg/kg-dry	6/14/2017 1530h	6/16/2017 1110h	SW6020B	7.47	<b>11.3</b>	

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QA Officer



## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC  
**Project:** Silver Gate Ranches  
**Lab Sample ID:** 1706271-046  
**Client Sample ID:** SGR-L9C-4'  
**Collection Date:** 5/24/2017 1741h  
**Received Date:** 6/12/2017 1639h

**Contact:** Laurie Goldner

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/14/2017 1530h	6/16/2017 1113h	SW6020B	2.76	3.14	
Lead	mg/kg-dry	6/14/2017 1530h	6/16/2017 1113h	SW6020B	7.19	9.38	

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## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC

**Contact:** Laurie Goldner

**Project:** Silver Gate Ranches

**Lab Sample ID:** 1706271-047

**Client Sample ID:** SGR-L9C-9'

**Collection Date:** 5/24/2017 1750h

**Received Date:** 6/12/2017 1639h

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/14/2017 1530h	6/16/2017 1116h	SW6020B	3.05	13.7	
Lead	mg/kg-dry	6/14/2017 1530h	6/16/2017 1116h	SW6020B	7.93	172	

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## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC  
**Project:** Silver Gate Ranches  
**Lab Sample ID:** 1706271-048  
**Client Sample ID:** SGR-L8C-0-2"  
**Collection Date:** 5/24/2017 1811h  
**Received Date:** 6/12/2017 1639h

**Contact:** Laurie Goldner

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/14/2017 1530h	6/16/2017 1118h	SW6020B	2.90	<b>6.74</b>	
Barium	mg/kg-dry	6/14/2017 1530h	6/16/2017 1118h	SW6020B	5.22	<b>231</b>	
Cadmium	mg/kg-dry	6/14/2017 1530h	6/16/2017 1118h	SW6020B	0.987	< 0.987	
Chromium	mg/kg-dry	6/14/2017 1530h	6/16/2017 1118h	SW6020B	11.6	<b>42.8</b>	
Lead	mg/kg-dry	6/14/2017 1530h	6/16/2017 1118h	SW6020B	7.55	<b>17.4</b>	
Mercury	mg/kg-dry	6/16/2017 1545h	6/20/2017 1404h	SW7471B	0.0403	<b>0.337</b>	
Selenium	mg/kg-dry	6/14/2017 1530h	6/16/2017 1118h	SW6020B	9.87	< 9.87	
Silver	mg/kg-dry	6/14/2017 1530h	6/16/2017 1118h	SW6020B	1.74	< 1.74	

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## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC

**Contact:** Laurie Goldner

**Project:** Silver Gate Ranches

**Lab Sample ID:** 1706271-049

**Client Sample ID:** SGR-L8C-6-12"

**Collection Date:** 5/24/2017 1814h

**Received Date:** 6/12/2017 1639h

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/14/2017 1530h	6/16/2017 1121h	SW6020B	2.94	<b>4.33</b>	
Lead	mg/kg-dry	6/14/2017 1530h	6/16/2017 1121h	SW6020B	7.65	<b>11.0</b>	

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## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC

**Contact:** Laurie Goldner

**Project:** Silver Gate Ranches

**Lab Sample ID:** 1706271-050

**Client Sample ID:** SGR-L8C-4'

**Collection Date:** 5/24/2017 1825h

**Received Date:** 6/12/2017 1639h

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/15/2017 1425h	6/18/2017 1425h	SW6020B	2.65	< 2.65	
Lead	mg/kg-dry	6/15/2017 1425h	6/18/2017 1425h	SW6020B	6.89	<b>7.90</b>	

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## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC

**Contact:** Laurie Goldner

**Project:** Silver Gate Ranches

**Lab Sample ID:** 1706271-051

**Client Sample ID:** SGR-L8C-9'

**Collection Date:** 5/24/2017 1823h

**Received Date:** 6/12/2017 1639h

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/15/2017 1425h	6/18/2017 1441h	SW6020B	2.75	3.71	
Lead	mg/kg-dry	6/15/2017 1425h	6/18/2017 1441h	SW6020B	7.16	< 7.16	

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## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC  
**Project:** Silver Gate Ranches  
**Lab Sample ID:** 1706271-052  
**Client Sample ID:** SGR-L14C-0-2"  
**Collection Date:** 5/25/2017 938h  
**Received Date:** 6/12/2017 1639h

**Contact:** Laurie Goldner

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/15/2017 1425h	6/18/2017 1444h	SW6020B	2.76	<b>6.93</b>	
Barium	mg/kg-dry	6/15/2017 1425h	6/18/2017 1444h	SW6020B	4.96	<b>208</b>	
Cadmium	mg/kg-dry	6/15/2017 1425h	6/18/2017 1444h	SW6020B	0.937	< 0.937	
Chromium	mg/kg-dry	6/15/2017 1425h	6/18/2017 1444h	SW6020B	11.0	<b>30.2</b>	
Lead	mg/kg-dry	6/15/2017 1425h	6/18/2017 1444h	SW6020B	7.17	<b>30.1</b>	
Mercury	mg/kg-dry	6/16/2017 1545h	6/20/2017 1409h	SW7471B	0.0414	< 0.0414	
Selenium	mg/kg-dry	6/15/2017 1425h	6/18/2017 1444h	SW6020B	9.37	< 9.37	
Silver	mg/kg-dry	6/15/2017 1425h	6/18/2017 1444h	SW6020B	1.65	< 1.65	

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## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC  
**Project:** Silver Gate Ranches  
**Lab Sample ID:** 1706271-053  
**Client Sample ID:** SGR-L14C-6-12"  
**Collection Date:** 5/25/2017 941h  
**Received Date:** 6/12/2017 1639h

**Contact:** Laurie Goldner

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/15/2017 1425h	6/18/2017 1456h	SW6020B	2.95	<b>7.50</b>	
Lead	mg/kg-dry	6/15/2017 1425h	6/18/2017 1456h	SW6020B	7.66	<b>27.9</b>	

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## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC  
**Project:** Silver Gate Ranches  
**Lab Sample ID:** 1706271-054  
**Client Sample ID:** SGR-L14C-4'  
**Collection Date:** 5/25/2017 945h  
**Received Date:** 6/12/2017 1639h

**Contact:** Laurie Goldner

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/15/2017 1425h	6/18/2017 1500h	SW6020B	3.09	<b>6.70</b>	
Lead	mg/kg-dry	6/15/2017 1425h	6/18/2017 1500h	SW6020B	8.03	<b>19.4</b>	

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## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC  
**Project:** Silver Gate Ranches  
**Lab Sample ID:** 1706271-055  
**Client Sample ID:** SGR-L14C-9'  
**Collection Date:** 5/25/2017 953h  
**Received Date:** 6/12/2017 1639h

**Contact:** Laurie Goldner

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/15/2017 1425h	6/18/2017 1503h	SW6020B	2.93	<b>3.20</b>	
Lead	mg/kg-dry	6/15/2017 1425h	6/18/2017 1503h	SW6020B	7.63	<b>9.55</b>	

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## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC  
**Project:** Silver Gate Ranches  
**Lab Sample ID:** 1706271-056  
**Client Sample ID:** SGR-L15C-0-2"  
**Collection Date:** 5/25/2017 1013h  
**Received Date:** 6/12/2017 1639h

**Contact:** Laurie Goldner

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/15/2017 1425h	6/18/2017 1506h	SW6020B	2.76	<b>6.14</b>	
Barium	mg/kg-dry	6/15/2017 1425h	6/18/2017 1506h	SW6020B	4.97	<b>232</b>	
Cadmium	mg/kg-dry	6/15/2017 1425h	6/18/2017 1506h	SW6020B	0.938	< 0.938	
Chromium	mg/kg-dry	6/15/2017 1425h	6/18/2017 1506h	SW6020B	11.0	<b>35.1</b>	
Lead	mg/kg-dry	6/15/2017 1425h	6/18/2017 1506h	SW6020B	7.17	<b>27.0</b>	
Mercury	mg/kg-dry	6/16/2017 1545h	6/20/2017 1411h	SW7471B	0.0374	< 0.0374	
Selenium	mg/kg-dry	6/15/2017 1425h	6/18/2017 1506h	SW6020B	9.38	< 9.38	
Silver	mg/kg-dry	6/15/2017 1425h	6/18/2017 1506h	SW6020B	1.66	< 1.66	

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## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC

**Contact:** Laurie Goldner

**Project:** Silver Gate Ranches

**Lab Sample ID:** 1706271-057

**Client Sample ID:** SGR-L15C-6-12"

**Collection Date:** 5/25/2017 1016h

**Received Date:** 6/12/2017 1639h

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/15/2017 1425h	6/18/2017 1509h	SW6020B	3.03	<b>5.64</b>	
Lead	mg/kg-dry	6/15/2017 1425h	6/18/2017 1509h	SW6020B	7.88	<b>15.3</b>	

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## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC

**Contact:** Laurie Goldner

**Project:** Silver Gate Ranches

**Lab Sample ID:** 1706271-058

**Client Sample ID:** SGR-L15C-4'

**Collection Date:** 5/25/2017 1020h

**Received Date:** 6/12/2017 1639h

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/16/2017 1100h	6/22/2017 1603h	SW6020B	2.87	<b>4.55</b>	
Lead	mg/kg-dry	6/16/2017 1100h	6/22/2017 1603h	SW6020B	7.47	<b>11.5</b>	

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## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC

**Contact:** Laurie Goldner

**Project:** Silver Gate Ranches

**Lab Sample ID:** 1706271-059

**Client Sample ID:** SGR-L15C-9'

**Collection Date:** 5/25/2017 1029h

**Received Date:** 6/12/2017 1639h

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/16/2017 1100h	6/22/2017 1619h	SW6020B	2.79	< 2.79	
Lead	mg/kg-dry	6/16/2017 1100h	6/22/2017 1619h	SW6020B	7.26	<b>7.99</b>	

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## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC  
**Project:** Silver Gate Ranches  
**Lab Sample ID:** 1706271-060  
**Client Sample ID:** SGR-L16C-0-2"  
**Collection Date:** 5/25/2017 1042h  
**Received Date:** 6/12/2017 1639h

**Contact:** Laurie Goldner

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/16/2017 1100h	6/22/2017 1622h	SW6020B	2.83	11.6	
Barium	mg/kg-dry	6/16/2017 1100h	6/22/2017 2226h	SW6020B	5.09	225	
Cadmium	mg/kg-dry	6/16/2017 1100h	6/22/2017 1622h	SW6020B	0.962	2.50	
Chromium	mg/kg-dry	6/16/2017 1100h	6/22/2017 1622h	SW6020B	11.3	40.7	
Lead	mg/kg-dry	6/16/2017 1100h	6/22/2017 1622h	SW6020B	7.35	124	
Mercury	mg/kg-dry	6/16/2017 1545h	6/20/2017 1413h	SW7471B	0.0386	0.212	
Selenium	mg/kg-dry	6/16/2017 1100h	6/22/2017 1622h	SW6020B	9.62	< 9.62	
Silver	mg/kg-dry	6/16/2017 1100h	6/22/2017 1622h	SW6020B	1.70	< 1.70	

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## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC  
**Project:** Silver Gate Ranches  
**Lab Sample ID:** 1706271-061  
**Client Sample ID:** SGR-L16C-6-12"  
**Collection Date:** 5/25/2017 1049h  
**Received Date:** 6/12/2017 1639h

**Contact:** Laurie Goldner

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/16/2017 1100h	6/22/2017 1625h	SW6020B	2.91	<b>7.46</b>	
Lead	mg/kg-dry	6/16/2017 1100h	6/22/2017 1625h	SW6020B	7.57	<b>18.8</b>	

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## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC

**Contact:** Laurie Goldner

**Project:** Silver Gate Ranches

**Lab Sample ID:** 1706271-062

**Client Sample ID:** SGR-L16C-4'

**Collection Date:** 5/25/2017 1052h

**Received Date:** 6/12/2017 1639h

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/16/2017 1100h	6/22/2017 1713h	SW6020B	2.94	<b>5.46</b>	
Lead	mg/kg-dry	6/16/2017 1100h	6/22/2017 1713h	SW6020B	7.65	<b>15.1</b>	

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## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC  
**Project:** Silver Gate Ranches  
**Lab Sample ID:** 1706271-063  
**Client Sample ID:** SGR-L16C-9'  
**Collection Date:** 5/25/2017 1059h  
**Received Date:** 6/12/2017 1639h

**Contact:** Laurie Goldner

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/16/2017 1100h	6/22/2017 1644h	SW6020B	2.98	<b>7.09</b>	
Lead	mg/kg-dry	6/16/2017 1100h	6/22/2017 1644h	SW6020B	7.76	<b>14.3</b>	

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## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC  
**Project:** Silver Gate Ranches  
**Lab Sample ID:** 1706271-064  
**Client Sample ID:** SGR-L17C-0-2"  
**Collection Date:** 5/25/2017 1121h  
**Received Date:** 6/12/2017 1639h

**Contact:** Laurie Goldner

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/16/2017 1100h	6/22/2017 1647h	SW6020B	2.74	<b>11.0</b>	
Barium	mg/kg-dry	6/16/2017 1100h	6/22/2017 2229h	SW6020B	4.93	<b>267</b>	
Cadmium	mg/kg-dry	6/16/2017 1100h	6/22/2017 1647h	SW6020B	0.930	<b>1.94</b>	
Chromium	mg/kg-dry	6/16/2017 1100h	6/22/2017 1647h	SW6020B	10.9	<b>55.9</b>	
Lead	mg/kg-dry	6/16/2017 1100h	6/22/2017 1647h	SW6020B	7.11	<b>84.7</b>	
Mercury	mg/kg-dry	6/16/2017 1545h	6/20/2017 1415h	SW7471B	0.0365	<b>0.164</b>	
Selenium	mg/kg-dry	6/16/2017 1100h	6/22/2017 1647h	SW6020B	9.30	< 9.30	
Silver	mg/kg-dry	6/16/2017 1100h	6/22/2017 1647h	SW6020B	1.64	< 1.64	

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## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC  
**Project:** Silver Gate Ranches  
**Lab Sample ID:** 1706271-065  
**Client Sample ID:** SGR-L17C-6-12"  
**Collection Date:** 5/25/2017 1125h  
**Received Date:** 6/12/2017 1639h

**Contact:** Laurie Goldner

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/16/2017 1100h	6/22/2017 1650h	SW6020B	2.80	<b>7.87</b>	
Lead	mg/kg-dry	6/16/2017 1100h	6/22/2017 1650h	SW6020B	7.29	<b>17.8</b>	

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Jose Rocha  
QA Officer



## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC

**Contact:** Laurie Goldner

**Project:** Silver Gate Ranches

**Lab Sample ID:** 1706271-066

**Client Sample ID:** SGR-L17C-4'

**Collection Date:** 5/25/2017 1129h

**Received Date:** 6/12/2017 1639h

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/16/2017 1100h	6/22/2017 1654h	SW6020B	2.87	<b>6.49</b>	
Lead	mg/kg-dry	6/16/2017 1100h	6/22/2017 1654h	SW6020B	7.46	<b>7.62</b>	

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## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC

**Contact:** Laurie Goldner

**Project:** Silver Gate Ranches

**Lab Sample ID:** 1706271-067

**Client Sample ID:** SGR-L17C-9'

**Collection Date:** 5/25/2017 1135h

**Received Date:** 6/12/2017 1639h

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/16/2017 1100h	6/22/2017 1657h	SW6020B	2.96	<b>3.44</b>	
Lead	mg/kg-dry	6/16/2017 1100h	6/22/2017 1657h	SW6020B	7.70	< 7.70	

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## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC  
**Project:** Silver Gate Ranches  
**Lab Sample ID:** 1706271-068  
**Client Sample ID:** SGR-L18C-0-2"  
**Collection Date:** 5/25/2017 1152h  
**Received Date:** 6/12/2017 1639h

**Contact:** Laurie Goldner

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/16/2017 1100h	6/22/2017 1700h	SW6020B	2.74	<b>10.2</b>	
Barium	mg/kg-dry	6/16/2017 1100h	6/22/2017 2231h	SW6020B	4.92	<b>306</b>	
Cadmium	mg/kg-dry	6/16/2017 1100h	6/22/2017 1700h	SW6020B	0.930	<b>1.79</b>	
Chromium	mg/kg-dry	6/16/2017 1100h	6/22/2017 1700h	SW6020B	10.9	<b>42.6</b>	
Lead	mg/kg-dry	6/16/2017 1100h	6/22/2017 1700h	SW6020B	7.11	<b>71.7</b>	
Mercury	mg/kg-dry	6/16/2017 1545h	6/20/2017 1417h	SW7471B	0.0350	<b>0.102</b>	
Selenium	mg/kg-dry	6/16/2017 1100h	6/22/2017 1700h	SW6020B	9.30	< 9.30	
Silver	mg/kg-dry	6/16/2017 1100h	6/22/2017 1700h	SW6020B	1.64	< 1.64	

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## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC

**Contact:** Laurie Goldner

**Project:** Silver Gate Ranches

**Lab Sample ID:** 1706271-069

**Client Sample ID:** SGR-L18C-6-12"

**Collection Date:** 5/25/2017 1154h

**Received Date:** 6/12/2017 1639h

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/16/2017 1100h	6/22/2017 1703h	SW6020B	3.28	<b>6.97</b>	
Lead	mg/kg-dry	6/16/2017 1100h	6/22/2017 1703h	SW6020B	8.52	<b>14.5</b>	

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## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC  
**Project:** Silver Gate Ranches  
**Lab Sample ID:** 1706271-070  
**Client Sample ID:** SGR-L18C-4'  
**Collection Date:** 5/25/2017 1202h  
**Received Date:** 6/12/2017 1639h

**Contact:** Laurie Goldner

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/16/2017 1100h	6/22/2017 1706h	SW6020B	3.26	<b>4.58</b>	
Lead	mg/kg-dry	6/16/2017 1100h	6/22/2017 1706h	SW6020B	8.48	<b>16.7</b>	

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## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC  
**Project:** Silver Gate Ranches  
**Lab Sample ID:** 1706271-071  
**Client Sample ID:** SGR-L18C-9'  
**Collection Date:** 5/25/2017 1209h  
**Received Date:** 6/12/2017 1639h

**Contact:** Laurie Goldner

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/16/2017 1100h	6/22/2017 1710h	SW6020B	3.03	< 3.03	
Lead	mg/kg-dry	6/16/2017 1100h	6/22/2017 1710h	SW6020B	7.88	< 7.88	

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## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC  
**Project:** Silver Gate Ranches  
**Lab Sample ID:** 1706271-072  
**Client Sample ID:** SGR-L19C-0-2"  
**Collection Date:** 5/24/2017 1540h  
**Received Date:** 6/12/2017 1639h

**Contact:** Laurie Goldner

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/16/2017 1100h	6/22/2017 1725h	SW6020B	2.89	<b>18.6</b>	
Barium	mg/kg-dry	6/16/2017 1100h	6/22/2017 2234h	SW6020B	5.20	<b>296</b>	
Cadmium	mg/kg-dry	6/16/2017 1100h	6/22/2017 1725h	SW6020B	0.983	<b>3.13</b>	
Chromium	mg/kg-dry	6/16/2017 1100h	6/22/2017 1725h	SW6020B	11.6	<b>47.5</b>	
Lead	mg/kg-dry	6/16/2017 1100h	6/22/2017 1725h	SW6020B	7.51	<b>183</b>	
Mercury	mg/kg-dry	6/16/2017 1545h	6/20/2017 1418h	SW7471B	0.0440	<b>0.202</b>	
Selenium	mg/kg-dry	6/16/2017 1100h	6/22/2017 1725h	SW6020B	9.83	< 9.83	
Silver	mg/kg-dry	6/16/2017 1100h	6/22/2017 1725h	SW6020B	1.73	< 1.73	

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## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC  
**Project:** Silver Gate Ranches  
**Lab Sample ID:** 1706271-073  
**Client Sample ID:** SGR-L19C-6-12"  
**Collection Date:** 5/24/2017 1332h  
**Received Date:** 6/12/2017 1639h

**Contact:** Laurie Goldner

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/16/2017 1100h	6/22/2017 1729h	SW6020B	2.78	11.1	
Lead	mg/kg-dry	6/16/2017 1100h	6/22/2017 1729h	SW6020B	7.24	69.6	

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## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC  
**Project:** Silver Gate Ranches  
**Lab Sample ID:** 1706271-074  
**Client Sample ID:** SGR-L19C-4'  
**Collection Date:** 5/24/2017 1102h  
**Received Date:** 6/12/2017 1639h

**Contact:** Laurie Goldner

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/16/2017 1100h	6/22/2017 1735h	SW6020B	2.74	<b>3.37</b>	
Lead	mg/kg-dry	6/16/2017 1100h	6/22/2017 1735h	SW6020B	7.13	<b>8.74</b>	

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## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC  
**Project:** Silver Gate Ranches  
**Lab Sample ID:** 1706271-075  
**Client Sample ID:** SGR-L19C-9'  
**Collection Date:** 5/24/2017 1706h  
**Received Date:** 6/12/2017 1639h

**Contact:** Laurie Goldner

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/16/2017 1100h	6/22/2017 1738h	SW6020B	2.71	3.38	
Lead	mg/kg-dry	6/16/2017 1100h	6/22/2017 1738h	SW6020B	7.04	9.92	

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## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC  
**Project:** Silver Gate Ranches  
**Lab Sample ID:** 1706271-076  
**Client Sample ID:** SGR-L20C-0-2"  
**Collection Date:** 5/25/2017 1045h  
**Received Date:** 6/12/2017 1639h

**Contact:** Laurie Goldner

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/16/2017 1100h	6/22/2017 1741h	SW6020B	2.69	<b>11.6</b>	
Barium	mg/kg-dry	6/16/2017 1100h	6/22/2017 2237h	SW6020B	4.84	<b>220</b>	
Cadmium	mg/kg-dry	6/16/2017 1100h	6/22/2017 1741h	SW6020B	0.915	<b>2.42</b>	
Chromium	mg/kg-dry	6/16/2017 1100h	6/22/2017 2237h	SW6020B	10.8	<b>42.5</b>	
Lead	mg/kg-dry	6/16/2017 1100h	6/22/2017 1741h	SW6020B	7.00	<b>107</b>	
Mercury	mg/kg-dry	6/16/2017 1545h	6/20/2017 1420h	SW7471B	0.0400	<b>0.163</b>	
Selenium	mg/kg-dry	6/16/2017 1100h	6/22/2017 1741h	SW6020B	9.15	< 9.15	
Silver	mg/kg-dry	6/16/2017 1100h	6/22/2017 1741h	SW6020B	1.61	< 1.61	

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## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC

**Contact:** Laurie Goldner

**Project:** Silver Gate Ranches

**Lab Sample ID:** 1706271-077

**Client Sample ID:** SGR-L20C-6-12"

**Collection Date:** 5/25/2017 1156h

**Received Date:** 6/12/2017 1639h

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/16/2017 1100h	6/22/2017 1744h	SW6020B	2.76	<b>7.63</b>	
Lead	mg/kg-dry	6/16/2017 1100h	6/22/2017 1744h	SW6020B	7.19	<b>18.0</b>	

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## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC  
**Project:** Silver Gate Ranches  
**Lab Sample ID:** 1706271-078  
**Client Sample ID:** SGR-L20C-9'  
**Collection Date:** 5/25/2017 958h  
**Received Date:** 6/12/2017 1639h

**Contact:** Laurie Goldner

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/16/2017 1321h	6/22/2017 1600h	SW6020B	2.72	3.84	
Lead	mg/kg-dry	6/16/2017 1321h	6/22/2017 1600h	SW6020B	7.06	8.91	

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## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC

**Contact:** Laurie Goldner

**Project:** Silver Gate Ranches

**Lab Sample ID:** 1706271-079

**Client Sample ID:** SGR-L18E-0-2"

**Collection Date:** 5/25/2017 1308h

**Received Date:** 6/12/2017 1639h

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/16/2017 1321h	6/22/2017 1614h	SW6020B	2.75	<b>7.17</b>	
Lead	mg/kg-dry	6/16/2017 1321h	6/22/2017 1614h	SW6020B	7.14	<b>18.0</b>	

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## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC

**Contact:** Laurie Goldner

**Project:** Silver Gate Ranches

**Lab Sample ID:** 1706271-080

**Client Sample ID:** SGR-L18E-6-12"

**Collection Date:** 5/25/2017 1308h

**Received Date:** 6/12/2017 1639h

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/16/2017 1321h	6/22/2017 1617h	SW6020B	2.97	<b>7.08</b>	
Lead	mg/kg-dry	6/16/2017 1321h	6/22/2017 1617h	SW6020B	7.73	<b>14.6</b>	

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## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC

**Contact:** Laurie Goldner

**Project:** Silver Gate Ranches

**Lab Sample ID:** 1706271-081

**Client Sample ID:** SGR-L17E-0-2"

**Collection Date:** 5/25/2017 1321h

**Received Date:** 6/12/2017 1639h

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/16/2017 1321h	6/22/2017 1629h	SW6020B	2.76	<b>9.46</b>	
Lead	mg/kg-dry	6/16/2017 1321h	6/22/2017 1629h	SW6020B	7.18	<b>41.9</b>	

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## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC

**Contact:** Laurie Goldner

**Project:** Silver Gate Ranches

**Lab Sample ID:** 1706271-082

**Client Sample ID:** SGR-L17E-6-12"

**Collection Date:** 5/25/2017 1323h

**Received Date:** 6/12/2017 1639h

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/16/2017 1321h	6/22/2017 1631h	SW6020B	2.97	<b>6.54</b>	
Lead	mg/kg-dry	6/16/2017 1321h	6/22/2017 1631h	SW6020B	7.72	<b>14.8</b>	

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## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC  
**Project:** Silver Gate Ranches  
**Lab Sample ID:** 1706271-083  
**Client Sample ID:** SGR-L16E-0-2"  
**Collection Date:** 5/25/2017 1331h  
**Received Date:** 6/12/2017 1639h

**Contact:** Laurie Goldner

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/16/2017 1321h	6/22/2017 1634h	SW6020B	2.68	<b>10.2</b>	
Lead	mg/kg-dry	6/16/2017 1321h	6/22/2017 1634h	SW6020B	6.97	<b>60.0</b>	

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## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC  
**Project:** Silver Gate Ranches  
**Lab Sample ID:** 1706271-084  
**Client Sample ID:** SGR-L16E-6-12"  
**Collection Date:** 5/25/2017 1331h  
**Received Date:** 6/12/2017 1639h

**Contact:** Laurie Goldner

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/16/2017 1321h	6/22/2017 1637h	SW6020B	2.78	<b>5.97</b>	
Lead	mg/kg-dry	6/16/2017 1321h	6/22/2017 1637h	SW6020B	7.23	<b>19.6</b>	

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## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC

**Contact:** Laurie Goldner

**Project:** Silver Gate Ranches

**Lab Sample ID:** 1706271-085

**Client Sample ID:** SGR-L15E-0-2"

**Collection Date:** 5/25/2017 1340h

**Received Date:** 6/12/2017 1639h

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/16/2017 1321h	6/22/2017 1640h	SW6020B	2.70	<b>6.40</b>	
Lead	mg/kg-dry	6/16/2017 1321h	6/22/2017 1640h	SW6020B	7.03	<b>31.6</b>	

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## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC

**Contact:** Laurie Goldner

**Project:** Silver Gate Ranches

**Lab Sample ID:** 1706271-086

**Client Sample ID:** SGR-L15E-6-12"

**Collection Date:** 5/25/2017 1340h

**Received Date:** 6/12/2017 1639h

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/16/2017 1321h	6/22/2017 1643h	SW6020B	2.83	<b>4.94</b>	
Lead	mg/kg-dry	6/16/2017 1321h	6/22/2017 1643h	SW6020B	7.36	<b>14.9</b>	

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Jose Rocha

QA Officer





## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC

**Contact:** Laurie Goldner

**Project:** Silver Gate Ranches

**Lab Sample ID:** 1706271-087

**Client Sample ID:** SGR-L14E-0-2"

**Collection Date:** 5/25/2017 1356h

**Received Date:** 6/12/2017 1639h

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/16/2017 1321h	6/22/2017 1646h	SW6020B	2.87	<b>8.34</b>	
Lead	mg/kg-dry	6/16/2017 1321h	6/22/2017 1646h	SW6020B	7.46	<b>31.2</b>	

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## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC

**Contact:** Laurie Goldner

**Project:** Silver Gate Ranches

**Lab Sample ID:** 1706271-088

**Client Sample ID:** SGR-L14E-6-12"

**Collection Date:** 5/25/2017 1356h

**Received Date:** 6/12/2017 1639h

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/16/2017 1321h	6/22/2017 1649h	SW6020B	2.89	<b>7.29</b>	
Lead	mg/kg-dry	6/16/2017 1321h	6/22/2017 1649h	SW6020B	7.50	<b>15.6</b>	

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## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC

**Contact:** Laurie Goldner

**Project:** Silver Gate Ranches

**Lab Sample ID:** 1706271-089

**Client Sample ID:** SGR-L14W-0-2"

**Collection Date:** 5/25/2017 1406h

**Received Date:** 6/12/2017 1639h

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/16/2017 1321h	6/22/2017 1652h	SW6020B	2.70	<b>8.33</b>	
Lead	mg/kg-dry	6/16/2017 1321h	6/22/2017 1652h	SW6020B	7.01	<b>21.5</b>	

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## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC

**Contact:** Laurie Goldner

**Project:** Silver Gate Ranches

**Lab Sample ID:** 1706271-090

**Client Sample ID:** SGR-L14W-6-12"

**Collection Date:** 5/25/2017 1406h

**Received Date:** 6/12/2017 1639h

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/16/2017 1321h	6/22/2017 1655h	SW6020B	3.00	<b>7.42</b>	
Lead	mg/kg-dry	6/16/2017 1321h	6/22/2017 1655h	SW6020B	7.80	<b>20.7</b>	

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## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC  
**Project:** Silver Gate Ranches  
**Lab Sample ID:** 1706271-091  
**Client Sample ID:** SGR-L15W-0-2"  
**Collection Date:** 5/25/2017 1418h  
**Received Date:** 6/12/2017 1639h

**Contact:** Laurie Goldner

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/16/2017 1321h	6/22/2017 1709h	SW6020B	2.86	<b>6.50</b>	
Lead	mg/kg-dry	6/16/2017 1321h	6/22/2017 1709h	SW6020B	7.45	<b>33.1</b>	

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## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC  
**Project:** Silver Gate Ranches  
**Lab Sample ID:** 1706271-092  
**Client Sample ID:** SGR-L15W-6-12"  
**Collection Date:** 5/25/2017 1418h  
**Received Date:** 6/12/2017 1639h

**Contact:** Laurie Goldner

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/16/2017 1321h	6/22/2017 1712h	SW6020B	2.88	<b>5.76</b>	
Lead	mg/kg-dry	6/16/2017 1321h	6/22/2017 1712h	SW6020B	7.49	<b>14.6</b>	

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## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC  
**Project:** Silver Gate Ranches  
**Lab Sample ID:** 1706271-093  
**Client Sample ID:** SGR-L16W-0-2"  
**Collection Date:** 5/25/2017 1433h  
**Received Date:** 6/12/2017 1639h

**Contact:** Laurie Goldner

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/16/2017 1321h	6/22/2017 1715h	SW6020B	2.73	8.11	
Lead	mg/kg-dry	6/16/2017 1321h	6/22/2017 1715h	SW6020B	7.10	62.3	

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## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC  
**Project:** Silver Gate Ranches  
**Lab Sample ID:** 1706271-094  
**Client Sample ID:** SGR-L16W-6-12"  
**Collection Date:** 5/25/2017 1433h  
**Received Date:** 6/12/2017 1639h

**Contact:** Laurie Goldner

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/16/2017 1321h	6/22/2017 1718h	SW6020B	2.84	<b>6.27</b>	
Lead	mg/kg-dry	6/16/2017 1321h	6/22/2017 1718h	SW6020B	7.39	<b>28.2</b>	

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## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC  
**Project:** Silver Gate Ranches  
**Lab Sample ID:** 1706271-095  
**Client Sample ID:** SGR-L17W-0-2"  
**Collection Date:** 5/25/2017 1441h  
**Received Date:** 6/12/2017 1639h

**Contact:** Laurie Goldner

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/16/2017 1321h	6/22/2017 1721h	SW6020B	2.52	21.5	
Lead	mg/kg-dry	6/16/2017 1321h	6/22/2017 1721h	SW6020B	6.55	293	

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## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC  
**Project:** Silver Gate Ranches  
**Lab Sample ID:** 1706271-096  
**Client Sample ID:** SGR-L17W-6-12"  
**Collection Date:** 5/25/2017 1441h  
**Received Date:** 6/12/2017 1639h

**Contact:** Laurie Goldner

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/16/2017 1321h	6/22/2017 1724h	SW6020B	2.79	<b>9.28</b>	
Lead	mg/kg-dry	6/16/2017 1321h	6/22/2017 1724h	SW6020B	7.25	<b>60.4</b>	

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## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC  
**Project:** Silver Gate Ranches  
**Lab Sample ID:** 1706271-097  
**Client Sample ID:** SGR-L18W-0-2"  
**Collection Date:** 5/25/2017 1452h  
**Received Date:** 6/12/2017 1639h

**Contact:** Laurie Goldner

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/16/2017 1321h	6/22/2017 1727h	SW6020B	2.64	15.4	
Lead	mg/kg-dry	6/16/2017 1321h	6/22/2017 1727h	SW6020B	6.85	137	

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## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC  
**Project:** Silver Gate Ranches  
**Lab Sample ID:** 1706271-098  
**Client Sample ID:** SGR-L18W-6-12"  
**Collection Date:** 5/25/2017 1452h  
**Received Date:** 6/12/2017 1639h

**Contact:** Laurie Goldner

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/16/2017 1800h	6/22/2017 1959h	SW6020B	2.66	<b>10.5</b>	
Lead	mg/kg-dry	6/16/2017 1800h	6/22/2017 1959h	SW6020B	6.93	<b>58.3</b>	<sup>3</sup>

<sup>3</sup> - Matrix spike recoveries and/or high RPDs indicate suspected sample non-homogeneity. The method is in control as indicated by the LCS.

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## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC

**Contact:** Laurie Goldner

**Project:** Silver Gate Ranches

**Lab Sample ID:** 1706271-099

**Client Sample ID:** SGR-L13E-0-2"

**Collection Date:** 5/25/2017 1508h

**Received Date:** 6/12/2017 1639h

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/16/2017 1800h	6/22/2017 2125h	SW6020B	2.94	19.3	
Lead	mg/kg-dry	6/16/2017 1800h	6/22/2017 2125h	SW6020B	7.66	251	

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## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC

**Contact:** Laurie Goldner

**Project:** Silver Gate Ranches

**Lab Sample ID:** 1706271-100

**Client Sample ID:** SGR-L13E-6-12"

**Collection Date:** 5/25/2017 1508h

**Received Date:** 6/12/2017 1639h

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/16/2017 1800h	6/22/2017 2016h	SW6020B	3.07	24.5	
Lead	mg/kg-dry	6/16/2017 1800h	6/22/2017 2016h	SW6020B	7.99	30.5	

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## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC  
**Project:** Silver Gate Ranches  
**Lab Sample ID:** 1706271-101  
**Client Sample ID:** SGR-L12E-0-2"  
**Collection Date:** 5/25/2017 1521h  
**Received Date:** 6/12/2017 1639h

**Contact:** Laurie Goldner

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/16/2017 1800h	6/22/2017 2019h	SW6020B	2.79	15.4	
Lead	mg/kg-dry	6/16/2017 1800h	6/22/2017 2019h	SW6020B	7.26	135	

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## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC

**Contact:** Laurie Goldner

**Project:** Silver Gate Ranches

**Lab Sample ID:** 1706271-102

**Client Sample ID:** SGR-L12E-6-12"

**Collection Date:** 5/25/2017 1521h

**Received Date:** 6/12/2017 1639h

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/16/2017 1800h	6/22/2017 2031h	SW6020B	2.62	<b>10.1</b>	
Lead	mg/kg-dry	6/16/2017 1800h	6/22/2017 2031h	SW6020B	6.82	<b>46.3</b>	

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## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC

**Contact:** Laurie Goldner

**Project:** Silver Gate Ranches

**Lab Sample ID:** 1706271-103

**Client Sample ID:** SGR-L11E-0-2"

**Collection Date:** 5/25/2017 1544h

**Received Date:** 6/12/2017 1639h

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/16/2017 1800h	6/22/2017 2034h	SW6020B	2.84	<b>9.56</b>	
Lead	mg/kg-dry	6/16/2017 1800h	6/22/2017 2034h	SW6020B	7.37	<b>45.1</b>	

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## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC

**Contact:** Laurie Goldner

**Project:** Silver Gate Ranches

**Lab Sample ID:** 1706271-104

**Client Sample ID:** SGR-L11E-6-12"

**Collection Date:** 5/25/2017 1544h

**Received Date:** 6/12/2017 1639h

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/16/2017 1800h	6/22/2017 2036h	SW6020B	2.81	<b>11.9</b>	
Lead	mg/kg-dry	6/16/2017 1800h	6/22/2017 2036h	SW6020B	7.30	<b>17.5</b>	

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## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC

**Contact:** Laurie Goldner

**Project:** Silver Gate Ranches

**Lab Sample ID:** 1706271-105

**Client Sample ID:** SGR-L10E-0-2"

**Collection Date:** 5/25/2017 1555h

**Received Date:** 6/12/2017 1639h

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/16/2017 1800h	6/22/2017 2039h	SW6020B	2.65	<b>6.80</b>	
Lead	mg/kg-dry	6/16/2017 1800h	6/22/2017 2039h	SW6020B	6.90	<b>28.2</b>	

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## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC

**Contact:** Laurie Goldner

**Project:** Silver Gate Ranches

**Lab Sample ID:** 1706271-106

**Client Sample ID:** SGR-L10E-6-12"

**Collection Date:** 5/25/2017 1555h

**Received Date:** 6/12/2017 1639h

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/16/2017 1800h	6/22/2017 2042h	SW6020B	2.94	<b>4.84</b>	
Lead	mg/kg-dry	6/16/2017 1800h	6/22/2017 2042h	SW6020B	7.66	<b>12.8</b>	

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## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC

**Contact:** Laurie Goldner

**Project:** Silver Gate Ranches

**Lab Sample ID:** 1706271-107

**Client Sample ID:** SGR-L9E-0-2"

**Collection Date:** 5/25/2017 1605h

**Received Date:** 6/12/2017 1639h

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/16/2017 1800h	6/22/2017 2045h	SW6020B	2.61	<b>10.4</b>	
Lead	mg/kg-dry	6/16/2017 1800h	6/22/2017 2045h	SW6020B	6.78	<b>107</b>	

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## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC

**Contact:** Laurie Goldner

**Project:** Silver Gate Ranches

**Lab Sample ID:** 1706271-108

**Client Sample ID:** SGR-L9E-6-12"

**Collection Date:** 5/25/2017 1605h

**Received Date:** 6/12/2017 1639h

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/16/2017 1800h	6/22/2017 2048h	SW6020B	2.69	<b>6.85</b>	
Lead	mg/kg-dry	6/16/2017 1800h	6/22/2017 2048h	SW6020B	6.99	<b>36.1</b>	

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## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC

**Contact:** Laurie Goldner

**Project:** Silver Gate Ranches

**Lab Sample ID:** 1706271-109

**Client Sample ID:** SGR-L8E-0-2"

**Collection Date:** 5/25/2017 1615h

**Received Date:** 6/12/2017 1639h

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/16/2017 1800h	6/22/2017 2051h	SW6020B	2.94	<b>10.0</b>	
Lead	mg/kg-dry	6/16/2017 1800h	6/22/2017 2051h	SW6020B	7.65	<b>36.6</b>	

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## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC

**Contact:** Laurie Goldner

**Project:** Silver Gate Ranches

**Lab Sample ID:** 1706271-110

**Client Sample ID:** SGR-L8E-6-12"

**Collection Date:** 5/25/2017 1615h

**Received Date:** 6/12/2017 1639h

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/16/2017 1800h	6/22/2017 2054h	SW6020B	3.20	<b>6.18</b>	
Lead	mg/kg-dry	6/16/2017 1800h	6/22/2017 2054h	SW6020B	8.32	<b>12.5</b>	

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QA Officer



## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC

**Contact:** Laurie Goldner

**Project:** Silver Gate Ranches

**Lab Sample ID:** 1706271-111

**Client Sample ID:** SGR-L8W-0-2"

**Collection Date:** 5/25/2017 1628h

**Received Date:** 6/12/2017 1639h

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/16/2017 1800h	6/22/2017 2057h	SW6020B	2.69	13.7	
Lead	mg/kg-dry	6/16/2017 1800h	6/22/2017 2057h	SW6020B	6.99	200	

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## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC  
**Project:** Silver Gate Ranches  
**Lab Sample ID:** 1706271-112  
**Client Sample ID:** SGR-L8W-6-12"  
**Collection Date:** 5/25/2017 1632h  
**Received Date:** 6/12/2017 1639h

**Contact:** Laurie Goldner

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/16/2017 1800h	6/22/2017 2108h	SW6020B	2.78	<b>6.83</b>	
Lead	mg/kg-dry	6/16/2017 1800h	6/22/2017 2108h	SW6020B	7.23	<b>39.8</b>	

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## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC

**Contact:** Laurie Goldner

**Project:** Silver Gate Ranches

**Lab Sample ID:** 1706271-113

**Client Sample ID:** SGR-L9W-0-2"

**Collection Date:** 5/25/2017 1644h

**Received Date:** 6/12/2017 1639h

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/16/2017 1800h	6/22/2017 2111h	SW6020B	2.95	16.1	
Lead	mg/kg-dry	6/16/2017 1800h	6/22/2017 2111h	SW6020B	7.67	301	

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## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC  
**Project:** Silver Gate Ranches  
**Lab Sample ID:** 1706271-114  
**Client Sample ID:** SGR-L9W-6-12"  
**Collection Date:** 5/25/2017 1644h  
**Received Date:** 6/12/2017 1639h

**Contact:** Laurie Goldner

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/16/2017 1800h	6/22/2017 2114h	SW6020B	2.93	<b>4.04</b>	
Lead	mg/kg-dry	6/16/2017 1800h	6/22/2017 2114h	SW6020B	7.61	<b>17.4</b>	

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## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC  
**Project:** Silver Gate Ranches  
**Lab Sample ID:** 1706271-115  
**Client Sample ID:** SGR-L10W-0-2"  
**Collection Date:** 5/25/2017 1652h  
**Received Date:** 6/12/2017 1639h

**Contact:** Laurie Goldner

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/16/2017 1800h	6/22/2017 2117h	SW6020B	2.84	<b>7.82</b>	
Lead	mg/kg-dry	6/16/2017 1800h	6/22/2017 2117h	SW6020B	7.38	<b>53.2</b>	

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## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC  
**Project:** Silver Gate Ranches  
**Lab Sample ID:** 1706271-116  
**Client Sample ID:** SGR-L10W-6-12"  
**Collection Date:** 5/25/2017 1652h  
**Received Date:** 6/12/2017 1639h

**Contact:** Laurie Goldner

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/16/2017 1800h	6/22/2017 2120h	SW6020B	3.30	<b>6.18</b>	
Lead	mg/kg-dry	6/16/2017 1800h	6/22/2017 2120h	SW6020B	8.57	<b>23.1</b>	

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## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC  
**Project:** Silver Gate Ranches  
**Lab Sample ID:** 1706271-117  
**Client Sample ID:** SGR-L11W-0-2"  
**Collection Date:** 5/25/2017 1700h  
**Received Date:** 6/12/2017 1639h

**Contact:** Laurie Goldner

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/16/2017 1800h	6/22/2017 2122h	SW6020B	2.86	17.0	
Lead	mg/kg-dry	6/16/2017 1800h	6/22/2017 2122h	SW6020B	7.43	227	

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## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC  
**Project:** Silver Gate Ranches  
**Lab Sample ID:** 1706271-118  
**Client Sample ID:** SGR-L11W-6-12"  
**Collection Date:** 5/25/2017 1700h  
**Received Date:** 6/12/2017 1639h

**Contact:** Laurie Goldner

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/19/2017 1130h	6/22/2017 1744h	SW6020B	2.78	<b>10.5</b>	
Lead	mg/kg-dry	6/19/2017 1130h	6/22/2017 1744h	SW6020B	7.23	<b>69.2</b>	<sup>3</sup>

<sup>3</sup> - Matrix spike recoveries and/or high RPDs indicate suspected sample non-homogeneity. The method is in control as indicated by the LCS.

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## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC

**Contact:** Laurie Goldner

**Project:** Silver Gate Ranches

**Lab Sample ID:** 1706271-119

**Client Sample ID:** SGR-L12W-0-2"

**Collection Date:** 5/25/2017 1708h

**Received Date:** 6/12/2017 1639h

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/19/2017 1130h	6/22/2017 1758h	SW6020B	2.56	13.0	
Lead	mg/kg-dry	6/19/2017 1130h	6/22/2017 1758h	SW6020B	6.66	93.0	

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## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC  
**Project:** Silver Gate Ranches  
**Lab Sample ID:** 1706271-120  
**Client Sample ID:** SGR-L12W-6-12"  
**Collection Date:** 5/25/2017 1708h  
**Received Date:** 6/12/2017 1639h

**Contact:** Laurie Goldner

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/19/2017 1130h	6/22/2017 1801h	SW6020B	2.90	<b>8.83</b>	
Lead	mg/kg-dry	6/19/2017 1130h	6/22/2017 1801h	SW6020B	7.54	<b>24.3</b>	

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## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC  
**Project:** Silver Gate Ranches  
**Lab Sample ID:** 1706271-121  
**Client Sample ID:** SGR-L13W-0-2"  
**Collection Date:** 5/25/2017 1716h  
**Received Date:** 6/12/2017 1639h

**Contact:** Laurie Goldner

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/19/2017 1130h	6/22/2017 1804h	SW6020B	2.73	12.9	
Lead	mg/kg-dry	6/19/2017 1130h	6/22/2017 1804h	SW6020B	7.10	86.1	

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## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC  
**Project:** Silver Gate Ranches  
**Lab Sample ID:** 1706271-122  
**Client Sample ID:** SGR-L13W-6-12"  
**Collection Date:** 5/25/2017 1716h  
**Received Date:** 6/12/2017 1639h

**Contact:** Laurie Goldner

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/19/2017 1130h	6/22/2017 1815h	SW6020B	2.88	<b>8.90</b>	
Lead	mg/kg-dry	6/19/2017 1130h	6/22/2017 1815h	SW6020B	7.48	<b>26.9</b>	

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## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC  
**Project:** Silver Gate Ranches  
**Lab Sample ID:** 1706271-123  
**Client Sample ID:** SGR-L21E-0-2"  
**Collection Date:** 5/25/2017 1410h  
**Received Date:** 6/12/2017 1639h

**Contact:** Laurie Goldner

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/19/2017 1130h	6/22/2017 1818h	SW6020B	2.88	<b>8.28</b>	
Lead	mg/kg-dry	6/19/2017 1130h	6/22/2017 1818h	SW6020B	7.48	<b>24.4</b>	

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## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC

**Contact:** Laurie Goldner

**Project:** Silver Gate Ranches

**Lab Sample ID:** 1706271-124

**Client Sample ID:** SGR-L21E-6-12"

**Collection Date:** 5/25/2017 1410h

**Received Date:** 6/12/2017 1639h

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/19/2017 1130h	6/22/2017 1821h	SW6020B	3.11	<b>6.83</b>	
Lead	mg/kg-dry	6/19/2017 1130h	6/22/2017 1821h	SW6020B	8.09	<b>14.0</b>	

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## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC

**Contact:** Laurie Goldner

**Project:** Silver Gate Ranches

**Lab Sample ID:** 1706271-125

**Client Sample ID:** SGR-L21W-0-2"

**Collection Date:** 5/25/2017 1508h

**Received Date:** 6/12/2017 1639h

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/19/2017 1130h	6/22/2017 1830h	SW6020B	2.80	<b>19.4</b>	
Lead	mg/kg-dry	6/19/2017 1130h	6/22/2017 1830h	SW6020B	7.27	<b>212</b>	

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## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC  
**Project:** Silver Gate Ranches  
**Lab Sample ID:** 1706271-126  
**Client Sample ID:** SGR-L21W-6-12"  
**Collection Date:** 5/25/2017 1508h  
**Received Date:** 6/12/2017 1639h

**Contact:** Laurie Goldner

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/19/2017 1130h	6/22/2017 1836h	SW6020B	2.91	<b>32.0</b>	
Lead	mg/kg-dry	6/19/2017 1130h	6/22/2017 1836h	SW6020B	7.57	<b>48.1</b>	

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## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC

**Contact:** Laurie Goldner

**Project:** Silver Gate Ranches

**Lab Sample ID:** 1706271-127

**Client Sample ID:** SGR-L7E-0-2"

**Collection Date:** 6/6/2017 941h

**Received Date:** 6/12/2017 1639h

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/19/2017 1130h	6/22/2017 1843h	SW6020B	3.06	17.0	
Lead	mg/kg-dry	6/19/2017 1130h	6/22/2017 1843h	SW6020B	7.96	158	

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## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC

**Contact:** Laurie Goldner

**Project:** Silver Gate Ranches

**Lab Sample ID:** 1706271-128

**Client Sample ID:** SGR-L7E-6-12"

**Collection Date:** 6/6/2017 941h

**Received Date:** 6/12/2017 1639h

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/19/2017 1130h	6/22/2017 1854h	SW6020B	2.80	<b>9.04</b>	
Lead	mg/kg-dry	6/19/2017 1130h	6/22/2017 1854h	SW6020B	7.28	<b>27.1</b>	

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## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC

**Contact:** Laurie Goldner

**Project:** Silver Gate Ranches

**Lab Sample ID:** 1706271-129

**Client Sample ID:** SGR-L7W-0-2"

**Collection Date:** 6/6/2017 953h

**Received Date:** 6/12/2017 1639h

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/19/2017 1130h	6/22/2017 1857h	SW6020B	2.82	<b>10.0</b>	
Lead	mg/kg-dry	6/19/2017 1130h	6/22/2017 1857h	SW6020B	7.33	<b>58.9</b>	

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## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC  
**Project:** Silver Gate Ranches  
**Lab Sample ID:** 1706271-130  
**Client Sample ID:** SGR-L7W-6-12"  
**Collection Date:** 6/6/2017 952h  
**Received Date:** 6/12/2017 1639h

**Contact:** Laurie Goldner

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/19/2017 1130h	6/22/2017 1900h	SW6020B	2.77	<b>7.86</b>	
Lead	mg/kg-dry	6/19/2017 1130h	6/22/2017 1900h	SW6020B	7.21	<b>20.3</b>	

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## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC

**Contact:** Laurie Goldner

**Project:** Silver Gate Ranches

**Lab Sample ID:** 1706271-131

**Client Sample ID:** SGR-L6E-0-2"

**Collection Date:** 6/6/2017 1007h

**Received Date:** 6/12/2017 1639h

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/19/2017 1130h	6/22/2017 1903h	SW6020B	2.75	17.6	
Lead	mg/kg-dry	6/19/2017 1130h	6/22/2017 1903h	SW6020B	7.14	230	

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## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC

**Contact:** Laurie Goldner

**Project:** Silver Gate Ranches

**Lab Sample ID:** 1706271-132

**Client Sample ID:** SGR-L6E-6-12"

**Collection Date:** 6/6/2017 1007h

**Received Date:** 6/12/2017 1639h

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/19/2017 1130h	6/22/2017 1906h	SW6020B	2.87	11.7	
Lead	mg/kg-dry	6/19/2017 1130h	6/22/2017 1906h	SW6020B	7.45	85.4	

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## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC

**Contact:** Laurie Goldner

**Project:** Silver Gate Ranches

**Lab Sample ID:** 1706271-133

**Client Sample ID:** SGR-L5E-0-2"

**Collection Date:** 6/6/2017 1017h

**Received Date:** 6/12/2017 1639h

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/19/2017 1130h	6/22/2017 1909h	SW6020B	2.70	15.3	
Lead	mg/kg-dry	6/19/2017 1130h	6/22/2017 1909h	SW6020B	7.02	271	

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## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC

**Contact:** Laurie Goldner

**Project:** Silver Gate Ranches

**Lab Sample ID:** 1706271-134

**Client Sample ID:** SGR-L5E-6-12"

**Collection Date:** 6/6/2017 1017h

**Received Date:** 6/12/2017 1639h

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/19/2017 1130h	6/22/2017 1912h	SW6020B	2.91	<b>10.4</b>	
Lead	mg/kg-dry	6/19/2017 1130h	6/22/2017 1912h	SW6020B	7.58	<b>64.0</b>	

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Kyle F. Gross

Laboratory Director

Jose Rocha

QA Officer



## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC

**Contact:** Laurie Goldner

**Project:** Silver Gate Ranches

**Lab Sample ID:** 1706271-135

**Client Sample ID:** SGR-L4E-0-2"

**Collection Date:** 6/6/2017 1028h

**Received Date:** 6/12/2017 1639h

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/19/2017 1130h	6/22/2017 1915h	SW6020B	2.70	<b>10.2</b>	
Lead	mg/kg-dry	6/19/2017 1130h	6/22/2017 1915h	SW6020B	7.02	<b>77.0</b>	

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## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC

**Contact:** Laurie Goldner

**Project:** Silver Gate Ranches

**Lab Sample ID:** 1706271-136

**Client Sample ID:** SGR-L4E-6-12"

**Collection Date:** 6/6/2017 1028h

**Received Date:** 6/12/2017 1639h

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/19/2017 1130h	6/22/2017 1918h	SW6020B	2.75	<b>8.49</b>	
Lead	mg/kg-dry	6/19/2017 1130h	6/22/2017 1918h	SW6020B	7.16	<b>35.9</b>	

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## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC

**Contact:** Laurie Goldner

**Project:** Silver Gate Ranches

**Lab Sample ID:** 1706271-137

**Client Sample ID:** SGR-L3E-0-2"

**Collection Date:** 6/6/2017 1035h

**Received Date:** 6/12/2017 1639h

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/19/2017 1130h	6/22/2017 1921h	SW6020B	2.62	11.7	
Lead	mg/kg-dry	6/19/2017 1130h	6/22/2017 1921h	SW6020B	6.81	155	

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## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC

**Contact:** Laurie Goldner

**Project:** Silver Gate Ranches

**Lab Sample ID:** 1706271-138

**Client Sample ID:** SGR-L3E-6-12"

**Collection Date:** 6/6/2017 1035h

**Received Date:** 6/12/2017 1639h

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/19/2017 1309h	6/22/2017 2329h	SW6020B	3.01	<b>7.41</b>	
Lead	mg/kg-dry	6/19/2017 1309h	6/22/2017 2329h	SW6020B	7.83	<b>21.6</b>	

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## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC

**Contact:** Laurie Goldner

**Project:** Silver Gate Ranches

**Lab Sample ID:** 1706271-139

**Client Sample ID:** SGR-L2E-0-2"

**Collection Date:** 6/6/2017 1049h

**Received Date:** 6/12/2017 1639h

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/19/2017 1309h	6/22/2017 2343h	SW6020B	2.88	<b>12.2</b>	
Lead	mg/kg-dry	6/19/2017 1309h	6/22/2017 2343h	SW6020B	7.50	<b>178</b>	

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## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC

**Contact:** Laurie Goldner

**Project:** Silver Gate Ranches

**Lab Sample ID:** 1706271-140

**Client Sample ID:** SGR-L2E-6-12"

**Collection Date:** 6/6/2017 1049h

**Received Date:** 6/12/2017 1639h

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/19/2017 1309h	6/22/2017 2346h	SW6020B	2.56	<b>9.78</b>	
Lead	mg/kg-dry	6/19/2017 1309h	6/22/2017 2346h	SW6020B	6.67	<b>44.5</b>	

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## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC

**Contact:** Laurie Goldner

**Project:** Silver Gate Ranches

**Lab Sample ID:** 1706271-141

**Client Sample ID:** SGR-L1E-0-2"

**Collection Date:** 6/6/2017 1059h

**Received Date:** 6/12/2017 1639h

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/19/2017 1309h	6/22/2017 2349h	SW6020B	2.54	<b>7.50</b>	
Lead	mg/kg-dry	6/19/2017 1309h	6/22/2017 2349h	SW6020B	6.61	<b>46.1</b>	

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## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC

**Contact:** Laurie Goldner

**Project:** Silver Gate Ranches

**Lab Sample ID:** 1706271-142

**Client Sample ID:** SGR-L1E-6-12"

**Collection Date:** 6/6/2017 1059h

**Received Date:** 6/12/2017 1639h

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/19/2017 1309h	6/22/2017 2352h	SW6020B	2.82	<b>6.26</b>	
Lead	mg/kg-dry	6/19/2017 1309h	6/22/2017 2352h	SW6020B	7.33	<b>31.0</b>	

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## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC

**Contact:** Laurie Goldner

**Project:** Silver Gate Ranches

**Lab Sample ID:** 1706271-143

**Client Sample ID:** SGR-L1W-0-2"

**Collection Date:** 6/6/2017 1107h

**Received Date:** 6/12/2017 1639h

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/19/2017 1309h	6/23/2017 003h	SW6020B	2.59	<b>6.15</b>	
Lead	mg/kg-dry	6/19/2017 1309h	6/23/2017 003h	SW6020B	6.74	<b>40.5</b>	

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## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC

**Contact:** Laurie Goldner

**Project:** Silver Gate Ranches

**Lab Sample ID:** 1706271-144

**Client Sample ID:** SGR-L1W-6-12"

**Collection Date:** 6/6/2017 1107h

**Received Date:** 6/12/2017 1639h

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/19/2017 1309h	6/23/2017 006h	SW6020B	2.68	<b>5.10</b>	
Lead	mg/kg-dry	6/19/2017 1309h	6/23/2017 006h	SW6020B	6.97	<b>24.2</b>	

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## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC

**Contact:** Laurie Goldner

**Project:** Silver Gate Ranches

**Lab Sample ID:** 1706271-145

**Client Sample ID:** SGR-L2W-0-2"

**Collection Date:** 6/6/2017 1123h

**Received Date:** 6/12/2017 1639h

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/19/2017 1309h	6/23/2017 009h	SW6020B	2.66	<b>7.26</b>	
Lead	mg/kg-dry	6/19/2017 1309h	6/23/2017 009h	SW6020B	6.91	<b>42.6</b>	

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## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC

**Contact:** Laurie Goldner

**Project:** Silver Gate Ranches

**Lab Sample ID:** 1706271-146

**Client Sample ID:** SGR-L2W-6-12"

**Collection Date:** 6/6/2017 1123h

**Received Date:** 6/12/2017 1639h

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/19/2017 1309h	6/23/2017 012h	SW6020B	2.58	<b>6.86</b>	
Lead	mg/kg-dry	6/19/2017 1309h	6/23/2017 012h	SW6020B	6.70	<b>38.9</b>	

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## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC

**Contact:** Laurie Goldner

**Project:** Silver Gate Ranches

**Lab Sample ID:** 1706271-147

**Client Sample ID:** SGR-L3W-0-2"

**Collection Date:** 6/6/2017 1132h

**Received Date:** 6/12/2017 1639h

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/19/2017 1309h	6/23/2017 015h	SW6020B	2.59	<b>7.07</b>	
Lead	mg/kg-dry	6/19/2017 1309h	6/23/2017 015h	SW6020B	6.74	<b>48.4</b>	

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## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC

**Contact:** Laurie Goldner

**Project:** Silver Gate Ranches

**Lab Sample ID:** 1706271-148

**Client Sample ID:** SGR-L3W-6-12"

**Collection Date:** 6/6/2017 1132h

**Received Date:** 6/12/2017 1639h

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/19/2017 1309h	6/23/2017 018h	SW6020B	2.74	<b>6.38</b>	
Lead	mg/kg-dry	6/19/2017 1309h	6/23/2017 018h	SW6020B	7.11	<b>15.9</b>	

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## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC

**Contact:** Laurie Goldner

**Project:** Silver Gate Ranches

**Lab Sample ID:** 1706271-149

**Client Sample ID:** SGR-L4W-0-2"

**Collection Date:** 6/6/2017 1148h

**Received Date:** 6/12/2017 1639h

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/19/2017 1309h	6/23/2017 830h	SW6020B	2.73	<b>8.14</b>	
Lead	mg/kg-dry	6/19/2017 1309h	6/23/2017 830h	SW6020B	7.11	<b>43.6</b>	

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## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC

**Contact:** Laurie Goldner

**Project:** Silver Gate Ranches

**Lab Sample ID:** 1706271-150

**Client Sample ID:** SGR-L4W-6-12"

**Collection Date:** 6/6/2017 1148h

**Received Date:** 6/12/2017 1639h

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/19/2017 1309h	6/23/2017 833h	SW6020B	2.69	<b>5.52</b>	
Lead	mg/kg-dry	6/19/2017 1309h	6/23/2017 833h	SW6020B	6.99	<b>20.1</b>	

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## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC

**Contact:** Laurie Goldner

**Project:** Silver Gate Ranches

**Lab Sample ID:** 1706271-151

**Client Sample ID:** SGR-L5W-0-2"

**Collection Date:** 6/6/2017 1157h

**Received Date:** 6/12/2017 1639h

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/19/2017 1309h	6/23/2017 836h	SW6020B	2.77	11.6	
Lead	mg/kg-dry	6/19/2017 1309h	6/23/2017 836h	SW6020B	7.20	90.1	

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## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC

**Contact:** Laurie Goldner

**Project:** Silver Gate Ranches

**Lab Sample ID:** 1706271-152

**Client Sample ID:** SGR-L5W-6-12"

**Collection Date:** 6/6/2017 1157h

**Received Date:** 6/12/2017 1639h

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/19/2017 1309h	6/23/2017 839h	SW6020B	2.75	11.2	
Lead	mg/kg-dry	6/19/2017 1309h	6/23/2017 839h	SW6020B	7.14	58.1	

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## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC

**Contact:** Laurie Goldner

**Project:** Silver Gate Ranches

**Lab Sample ID:** 1706271-153

**Client Sample ID:** SGR-L6W-0-2"

**Collection Date:** 6/6/2017 1208h

**Received Date:** 6/12/2017 1639h

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/19/2017 1309h	6/23/2017 842h	SW6020B	2.83	<b>30.0</b>	
Lead	mg/kg-dry	6/19/2017 1309h	6/23/2017 905h	SW6020B	29.4	<b>626</b>	

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## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC

**Contact:** Laurie Goldner

**Project:** Silver Gate Ranches

**Lab Sample ID:** 1706271-154

**Client Sample ID:** SGR-L6W-6-12"

**Collection Date:** 6/6/2017 1210h

**Received Date:** 6/12/2017 1639h

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/19/2017 1309h	6/23/2017 845h	SW6020B	2.66	<b>29.6</b>	
Lead	mg/kg-dry	6/19/2017 1309h	6/23/2017 845h	SW6020B	6.93	<b>531</b>	

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## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC

**Contact:** Laurie Goldner

**Project:** Silver Gate Ranches

**Lab Sample ID:** 1706271-155

**Client Sample ID:** SGR-L14NE-0-2"

**Collection Date:** 6/6/2017 1233h

**Received Date:** 6/12/2017 1639h

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/19/2017 1309h	6/23/2017 848h	SW6020B	2.70	<b>5.91</b>	
Lead	mg/kg-dry	6/19/2017 1309h	6/23/2017 848h	SW6020B	7.02	<b>19.6</b>	

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## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC

**Contact:** Laurie Goldner

**Project:** Silver Gate Ranches

**Lab Sample ID:** 1706271-156

**Client Sample ID:** SGR-L14NE-6-12"

**Collection Date:** 6/6/2017 1233h

**Received Date:** 6/12/2017 1639h

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/19/2017 1309h	6/23/2017 850h	SW6020B	3.02	<b>6.39</b>	
Lead	mg/kg-dry	6/19/2017 1309h	6/23/2017 850h	SW6020B	7.86	<b>15.0</b>	

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## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC

**Contact:** Laurie Goldner

**Project:** Silver Gate Ranches

**Lab Sample ID:** 1706271-157

**Client Sample ID:** SGR-L15S-0-2"

**Collection Date:** 6/6/2017 1244h

**Received Date:** 6/12/2017 1639h

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/19/2017 1309h	6/23/2017 853h	SW6020B	2.73	<b>6.05</b>	
Lead	mg/kg-dry	6/19/2017 1309h	6/23/2017 853h	SW6020B	7.09	<b>20.8</b>	

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## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC

**Contact:** Laurie Goldner

**Project:** Silver Gate Ranches

**Lab Sample ID:** 1706271-158

**Client Sample ID:** SGR-L15S-6-12"

**Collection Date:** 6/6/2017 1244h

**Received Date:** 6/12/2017 1639h

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/19/2017 1741h	6/21/2017 1231h	SW6020B	2.92	<b>6.16</b>	
Lead	mg/kg-dry	6/19/2017 1741h	6/21/2017 1231h	SW6020B	7.58	<b>20.4</b>	

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Kyle F. Gross

Laboratory Director

Jose Rocha

QA Officer



## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC

**Contact:** Laurie Goldner

**Project:** Silver Gate Ranches

**Lab Sample ID:** 1706271-159

**Client Sample ID:** SGR-L22W-0-2"

**Collection Date:** 6/6/2017 1146h

**Received Date:** 6/12/2017 1639h

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/19/2017 1741h	6/21/2017 1234h	SW6020B	2.48	<b>7.88</b>	
Lead	mg/kg-dry	6/19/2017 1741h	6/21/2017 1234h	SW6020B	6.44	<b>44.7</b>	

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Jose Rocha

QA Officer



## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC

**Contact:** Laurie Goldner

**Project:** Silver Gate Ranches

**Lab Sample ID:** 1706271-160

**Client Sample ID:** SGR-L22W-6-12"

**Collection Date:** 6/6/2017 1146h

**Received Date:** 6/12/2017 1639h

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/19/2017 1741h	6/21/2017 1237h	SW6020B	2.76	<b>5.47</b>	
Lead	mg/kg-dry	6/19/2017 1741h	6/21/2017 1237h	SW6020B	7.19	<b>18.9</b>	

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## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC

**Contact:** Laurie Goldner

**Project:** Silver Gate Ranches

**Lab Sample ID:** 1706271-161

**Client Sample ID:** SGR-L22W-4'

**Collection Date:** 6/6/2017 1157h

**Received Date:** 6/12/2017 1639h

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/19/2017 1741h	6/21/2017 1240h	SW6020B	2.76	11.9	
Lead	mg/kg-dry	6/19/2017 1741h	6/21/2017 1240h	SW6020B	7.17	86.9	

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## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC

**Contact:** Laurie Goldner

**Project:** Silver Gate Ranches

**Lab Sample ID:** 1706271-162

**Client Sample ID:** SGR-L22W-9'

**Collection Date:** 6/6/2017 1157h

**Received Date:** 6/12/2017 1639h

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/19/2017 1741h	6/21/2017 1242h	SW6020B	2.86	11.1	
Lead	mg/kg-dry	6/19/2017 1741h	6/21/2017 1242h	SW6020B	7.43	70.8	

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## INORGANIC ANALYTICAL REPORT

**Client:** Sage Environmental, LLC

**Contact:** Laurie Goldner

**Project:** Silver Gate Ranches

**Lab Sample ID:** 1706271-163

**Client Sample ID:** SGR-L22S-0-2"

**Collection Date:** 6/6/2017 1245h

**Received Date:** 6/12/2017 1639h

### Analytical Results

### TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/kg-dry	6/19/2017 1741h	6/21/2017 1245h	SW6020B	2.75	<b>5.81</b>	
Lead	mg/kg-dry	6/19/2017 1741h	6/21/2017 1245h	SW6020B	7.15	<b>20.1</b>	

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Jose Rocha  
QA Officer

## QC SUMMARY REPORT

**Client:** Sage Environmental, LLC  
**Lab Set ID:** 1706271  
**Project:** Silver Gate Ranches

**Contact:** Laurie Goldner  
**Dept:** ME  
**QC Type:** LCS

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
<b>Lab Sample ID: LCS-49709</b>		Date Analyzed:	06/16/2017 1038h										
Test Code: 6020B-S		Date Prepared:	06/14/2017 1530h										
Arsenic	17.9	mg/kg	SW6020B	0.142	2.50	20.00	0	89.6	85 - 115				
Barium	18.0	mg/kg	SW6020B	2.81	4.50	20.00	0	89.9	85 - 115				
Cadmium	17.7	mg/kg	SW6020B	0.0144	0.850	20.00	0	88.4	85 - 115				
Chromium	21.4	mg/kg	SW6020B	3.52	10.0	20.00	0	107	85 - 115				
Lead	18.0	mg/kg	SW6020B	0.190	6.50	20.00	0	90.0	85 - 115				
Selenium	17.7	mg/kg	SW6020B	0.0555	8.50	20.00	0	88.4	85 - 115				
Silver	18.2	mg/kg	SW6020B	0.00530	1.50	20.00	0	90.8	85 - 115				
<b>Lab Sample ID: LCS-49737</b>		Date Analyzed:	06/18/2017 1422h										
Test Code: 6020B-S		Date Prepared:	06/15/2017 1425h										
Arsenic	19.6	mg/kg	SW6020B	0.142	2.50	20.00	0	97.9	85 - 115				
Barium	19.9	mg/kg	SW6020B	2.81	4.50	20.00	0	99.7	85 - 115				
Cadmium	20.2	mg/kg	SW6020B	0.0144	0.850	20.00	0	101	85 - 115				
Chromium	20.7	mg/kg	SW6020B	3.52	10.0	20.00	0	103	85 - 115				
Lead	20.2	mg/kg	SW6020B	0.190	6.50	20.00	0	101	85 - 115				
Selenium	19.6	mg/kg	SW6020B	0.0555	8.50	20.00	0	98.2	85 - 115				
Silver	20.0	mg/kg	SW6020B	0.00530	1.50	20.00	0	100	85 - 115				
<b>Lab Sample ID: LCS-49667</b>		Date Analyzed:	06/20/2017 1244h										
Test Code: 6020B-S		Date Prepared:	06/13/2017 930h										
Arsenic	18.5	mg/kg	SW6020B	0.142	2.50	20.00	0	92.7	85 - 115				
Barium	18.5	mg/kg	SW6020B	2.81	4.50	20.00	0	92.6	85 - 115				
Cadmium	18.2	mg/kg	SW6020B	0.0144	0.850	20.00	0	91.1	85 - 115				
Chromium	18.5	mg/kg	SW6020B	3.52	10.0	20.00	0	92.4	85 - 115				
Lead	17.9	mg/kg	SW6020B	0.190	6.50	20.00	0	89.4	85 - 115				
Selenium	18.6	mg/kg	SW6020B	0.0555	8.50	20.00	0	92.8	85 - 115				
Silver	18.4	mg/kg	SW6020B	0.00530	1.50	20.00	0	92.1	85 - 115				



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Laboratory Director

Jose Rocha  
QA Officer

## QC SUMMARY REPORT

**Client:** Sage Environmental, LLC  
**Lab Set ID:** 1706271  
**Project:** Silver Gate Ranches

**Contact:** Laurie Goldner  
**Dept:** ME  
**QC Type:** LCS

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
<b>Lab Sample ID:</b> LCS-49793	Date Analyzed:	06/21/2017 1225h											
Test Code:	6020B-S	Date Prepared:	06/19/2017 1741h										
Arsenic	18.9	mg/kg	SW6020B	0.142	2.50	20.00	0	94.6	85 - 115				
Lead	18.6	mg/kg	SW6020B	0.190	6.50	20.00	0	93.0	85 - 115				
<b>Lab Sample ID:</b> LCS-49752	Date Analyzed:	06/22/2017 1600h											
Test Code:	6020B-S	Date Prepared:	06/16/2017 1100h										
Arsenic	19.9	mg/kg	SW6020B	0.142	2.50	20.00	0	99.5	85 - 115				
Cadmium	19.5	mg/kg	SW6020B	0.0144	0.850	20.00	0	97.3	85 - 115				
Chromium	19.5	mg/kg	SW6020B	3.52	10.0	20.00	0	97.5	85 - 115				
Lead	18.2	mg/kg	SW6020B	0.190	6.50	20.00	0	91.1	85 - 115				
Selenium	19.7	mg/kg	SW6020B	0.0555	8.50	20.00	0	98.4	85 - 115				
Silver	19.6	mg/kg	SW6020B	0.00530	1.50	20.00	0	98.2	85 - 115				
<b>Lab Sample ID:</b> LCS-49686	Date Analyzed:	06/22/2017 1359h											
Test Code:	6020B-S	Date Prepared:	06/13/2017 1442h										
Arsenic	18.7	mg/kg	SW6020B	0.142	2.50	20.00	0	93.4	85 - 115				
Barium	18.2	mg/kg	SW6020B	2.81	4.50	20.00	0	91.0	85 - 115				
Cadmium	19.3	mg/kg	SW6020B	0.0144	0.850	20.00	0	96.4	85 - 115				
Chromium	20.6	mg/kg	SW6020B	3.52	10.0	20.00	0	103	85 - 115				
Lead	19.1	mg/kg	SW6020B	0.190	6.50	20.00	0	95.5	85 - 115				
Selenium	19.0	mg/kg	SW6020B	0.0555	8.50	20.00	0	94.9	85 - 115				
Silver	19.2	mg/kg	SW6020B	0.00530	1.50	20.00	0	95.8	85 - 115				
<b>Lab Sample ID:</b> LCS-49765	Date Analyzed:	06/22/2017 1557h											
Test Code:	6020B-S	Date Prepared:	06/16/2017 1321h										
Arsenic	21.8	mg/kg	SW6020B	0.142	2.50	20.00	0	109	85 - 115				
Lead	20.0	mg/kg	SW6020B	0.190	6.50	20.00	0	99.9	85 - 115				
<b>Lab Sample ID:</b> LCS-49782	Date Analyzed:	06/22/2017 1741h											
Test Code:	6020B-S	Date Prepared:	06/19/2017 1130h										
Arsenic	20.4	mg/kg	SW6020B	0.142	2.50	20.00	0	102	85 - 115				

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## QC SUMMARY REPORT

**Client:** Sage Environmental, LLC  
**Lab Set ID:** 1706271  
**Project:** Silver Gate Ranches

**Contact:** Laurie Goldner  
**Dept:** ME  
**QC Type:** LCS

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
<b>Lab Sample ID:</b> LCS-49782	Date Analyzed:	06/22/2017 1741h											
Test Code:	6020B-S	Date Prepared:	06/19/2017 1130h										
Lead	19.6	mg/kg	SW6020B	0.190	6.50	20.00	0	98.2	85 - 115				
<b>Lab Sample ID:</b> LCS-49775	Date Analyzed:	06/22/2017 1956h											
Test Code:	6020B-S	Date Prepared:	06/16/2017 1800h										
Arsenic	19.5	mg/kg	SW6020B	0.142	2.50	20.00	0	97.4	85 - 115				
Lead	19.0	mg/kg	SW6020B	0.190	6.50	20.00	0	94.8	85 - 115				
<b>Lab Sample ID:</b> LCS-49752	Date Analyzed:	06/22/2017 2214h											
Test Code:	6020B-S	Date Prepared:	06/16/2017 1100h										
Barium	19.7	mg/kg	SW6020B	2.81	4.50	20.00	0	98.7	85 - 115				
<b>Lab Sample ID:</b> LCS-49783	Date Analyzed:	06/22/2017 2326h											
Test Code:	6020B-S	Date Prepared:	06/19/2017 1309h										
Arsenic	20.6	mg/kg	SW6020B	0.142	2.50	20.00	0	103	85 - 115				
Lead	19.4	mg/kg	SW6020B	0.190	6.50	20.00	0	97.2	85 - 115				
<b>Lab Sample ID:</b> LCS-49770	Date Analyzed:	06/20/2017 1330h											
Test Code:	HG-S-7471B	Date Prepared:	06/16/2017 1545h										
Mercury	0.403	mg/kg	SW7471B	0.00185	0.0400	0.4000	0	101	80 - 120				



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## QC SUMMARY REPORT

**Client:** Sage Environmental, LLC  
**Lab Set ID:** 1706271  
**Project:** Silver Gate Ranches

**Contact:** Laurie Goldner  
**Dept:** ME  
**QC Type:** MBLK

Analyte		Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID:	MB-49709	Date Analyzed:	06/16/2017 1018h											
Test Code:	6020B-S	Date Prepared:	06/14/2017 1530h											
Arsenic		< 2.50	mg/kg	SW6020B	0.142	2.50								
Barium		< 4.50	mg/kg	SW6020B	2.81	4.50								
Cadmium		< 0.850	mg/kg	SW6020B	0.0144	0.850								
Chromium		< 10.0	mg/kg	SW6020B	3.52	10.0								
Lead		< 6.50	mg/kg	SW6020B	0.190	6.50								
Selenium		< 8.50	mg/kg	SW6020B	0.0555	8.50								
Silver		< 1.50	mg/kg	SW6020B	0.00530	1.50								
Lab Sample ID:	MB-49737	Date Analyzed:	06/18/2017 1419h											
Test Code:	6020B-S	Date Prepared:	06/15/2017 1425h											
Arsenic		< 0.500	mg/kg	SW6020B	0.0283	0.500								
Barium		< 0.900	mg/kg	SW6020B	0.562	0.900								
Cadmium		< 0.170	mg/kg	SW6020B	0.00288	0.170								
Chromium		< 2.00	mg/kg	SW6020B	0.704	2.00								
Lead		< 1.30	mg/kg	SW6020B	0.0379	1.30								
Selenium		< 1.70	mg/kg	SW6020B	0.0111	1.70								
Silver		< 0.300	mg/kg	SW6020B	0.00106	0.300								
Lab Sample ID:	MB-49667	Date Analyzed:	06/20/2017 1241h											
Test Code:	6020B-S	Date Prepared:	06/13/2017 930h											
Arsenic		< 2.50	mg/kg	SW6020B	0.142	2.50								
Barium		< 4.50	mg/kg	SW6020B	2.81	4.50								
Cadmium		< 0.850	mg/kg	SW6020B	0.0144	0.850								
Chromium		< 10.0	mg/kg	SW6020B	3.52	10.0								
Lead		< 6.50	mg/kg	SW6020B	0.190	6.50								
Selenium		< 8.50	mg/kg	SW6020B	0.0555	8.50								
Silver		< 1.50	mg/kg	SW6020B	0.00530	1.50								



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Laboratory Director

Jose Rocha  
QA Officer

## QC SUMMARY REPORT

**Client:** Sage Environmental, LLC

**Lab Set ID:** 1706271

**Project:** Silver Gate Ranches

**Contact:** Laurie Goldner

**Dept:** ME

**QC Type:** MBLK

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
<b>Lab Sample ID:</b> MB-49793	Date Analyzed:	06/21/2017 1221h											
Test Code:	6020B-S	Date Prepared:	06/19/2017 1741h										
Arsenic	< 2.50	mg/kg	SW6020B	0.142	2.50								
Lead	< 6.50	mg/kg	SW6020B	0.190	6.50								
<b>Lab Sample ID:</b> MB-49752	Date Analyzed:	06/22/2017 1557h											
Test Code:	6020B-S	Date Prepared:	06/16/2017 1100h										
Arsenic	< 2.50	mg/kg	SW6020B	0.142	2.50								
Cadmium	< 0.850	mg/kg	SW6020B	0.0144	0.850								
Chromium	< 10.0	mg/kg	SW6020B	3.52	10.0								
Lead	< 6.50	mg/kg	SW6020B	0.190	6.50								
Selenium	< 8.50	mg/kg	SW6020B	0.0555	8.50								
Silver	< 1.50	mg/kg	SW6020B	0.00530	1.50								
<b>Lab Sample ID:</b> MB-49686	Date Analyzed:	06/22/2017 1356h											
Test Code:	6020B-S	Date Prepared:	06/13/2017 1442h										
Arsenic	< 2.50	mg/kg	SW6020B	0.142	2.50								
Barium	< 4.50	mg/kg	SW6020B	2.81	4.50								
Cadmium	< 0.850	mg/kg	SW6020B	0.0144	0.850								
Chromium	< 10.0	mg/kg	SW6020B	3.52	10.0								
Lead	< 6.50	mg/kg	SW6020B	0.190	6.50								
Selenium	< 8.50	mg/kg	SW6020B	0.0555	8.50								
Silver	< 1.50	mg/kg	SW6020B	0.00530	1.50								
<b>Lab Sample ID:</b> MB-49765	Date Analyzed:	06/22/2017 1554h											
Test Code:	6020B-S	Date Prepared:	06/16/2017 1321h										
Arsenic	< 2.50	mg/kg	SW6020B	0.142	2.50								
Lead	< 6.50	mg/kg	SW6020B	0.190	6.50								
<b>Lab Sample ID:</b> MB-49782	Date Analyzed:	06/22/2017 1738h											
Test Code:	6020B-S	Date Prepared:	06/19/2017 1130h										
Arsenic	< 2.50	mg/kg	SW6020B	0.142	2.50								



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Jose Rocha  
QA Officer

## QC SUMMARY REPORT

**Client:** Sage Environmental, LLC  
**Lab Set ID:** 1706271  
**Project:** Silver Gate Ranches

**Contact:** Laurie Goldner  
**Dept:** ME  
**QC Type:** MBLK

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
<b>Lab Sample ID:</b> MB-49782	Date Analyzed:	06/22/2017 1738h											
Test Code:	6020B-S	Date Prepared:	06/19/2017 1130h										
Lead	< 6.50	mg/kg	SW6020B	0.190	6.50								
<b>Lab Sample ID:</b> MB-49775	Date Analyzed:	06/22/2017 1953h											
Test Code:	6020B-S	Date Prepared:	06/16/2017 1800h										
Arsenic	< 2.50	mg/kg	SW6020B	0.142	2.50								
Lead	< 6.50	mg/kg	SW6020B	0.190	6.50								
<b>Lab Sample ID:</b> MB-49752	Date Analyzed:	06/22/2017 2211h											
Test Code:	6020B-S	Date Prepared:	06/16/2017 1100h										
Barium	< 4.50	mg/kg	SW6020B	2.81	4.50								
<b>Lab Sample ID:</b> MB-49783	Date Analyzed:	06/22/2017 2314h											
Test Code:	6020B-S	Date Prepared:	06/19/2017 1309h										
Arsenic	< 2.50	mg/kg	SW6020B	0.142	2.50								
Lead	< 6.50	mg/kg	SW6020B	0.190	6.50								
<b>Lab Sample ID:</b> MB-49793	Date Analyzed:	06/23/2017 942h											
Test Code:	6020B-S	Date Prepared:	06/19/2017 1741h										
Arsenic	< 0.500	mg/kg	SW6020B	0.0283	0.500								
Lead	< 1.30	mg/kg	SW6020B	0.0379	1.30								
<b>Lab Sample ID:</b> MB-49770	Date Analyzed:	06/20/2017 1328h											
Test Code:	HG-S-7471B	Date Prepared:	06/16/2017 1545h										
Mercury	< 0.0400	mg/kg	SW7471B	0.00185	0.0400								



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## QC SUMMARY REPORT

**Client:** Sage Environmental, LLC  
**Lab Set ID:** 1706271  
**Project:** Silver Gate Ranches

**Contact:** Laurie Goldner  
**Dept:** ME  
**QC Type:** MS

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
<b>Lab Sample ID: 1706317-002AMS</b>													
Test Code: 6020B-S		Date Analyzed: 06/16/2017 1009h	Date Prepared: 06/14/2017 1530h										
Arsenic	40.6	mg/kg-dry	SW6020B	0.234	4.13	33.06	14.7	78.2	75 - 125				
Barium	201	mg/kg-dry	SW6020B	4.64	7.44	33.06	238	-111	75 - 125				3
Cadmium	29.8	mg/kg-dry	SW6020B	0.0238	1.41	33.06	1.55	85.5	75 - 125				
Chromium	66.9	mg/kg-dry	SW6020B	5.82	16.5	33.06	52.3	44.1	75 - 125				3
Lead	71.0	mg/kg-dry	SW6020B	0.313	10.7	33.06	47.3	71.7	75 - 125				3
Selenium	29.5	mg/kg-dry	SW6020B	0.0917	14.1	33.06	0.808	86.8	75 - 125				
Silver	29.2	mg/kg-dry	SW6020B	0.00876	2.48	33.06	0.265	87.5	75 - 125				
<b>Lab Sample ID: 1706271-050AMS</b>													
Test Code: 6020B-S		Date Analyzed: 06/18/2017 1434h	Date Prepared: 06/15/2017 1425h										
Arsenic	21.7	mg/kg-dry	SW6020B	0.142	2.50	20.04	1.83	99.3	75 - 125				
Barium	191	mg/kg-dry	SW6020B	2.81	4.51	20.04	212	-107	75 - 125				3
Cadmium	20.9	mg/kg-dry	SW6020B	0.0144	0.851	20.04	0.566	101	75 - 125				
Chromium	54.3	mg/kg-dry	SW6020B	3.53	10.0	20.04	36.6	88.6	75 - 125				
Lead	28.7	mg/kg-dry	SW6020B	0.190	6.51	20.04	7.9	104	75 - 125				
Selenium	19.3	mg/kg-dry	SW6020B	0.0556	8.51	20.04	0.0783	96.1	75 - 125				
Silver	20.2	mg/kg-dry	SW6020B	0.00531	1.50	20.04	0.129	100	75 - 125				
<b>Lab Sample ID: 1706188-001AMS</b>													
Test Code: 6020B-S		Date Analyzed: 06/20/2017 1255h	Date Prepared: 06/13/2017 930h										
Arsenic	49.1	mg/kg-dry	SW6020B	0.166	2.93	23.46	30.5	79.4	75 - 125				
Cadmium	28.9	mg/kg-dry	SW6020B	0.0169	0.997	23.46	10.7	77.5	75 - 125				
Chromium	56.5	mg/kg-dry	SW6020B	4.13	11.7	23.46	45.2	48.1	75 - 125				3
Selenium	23.1	mg/kg-dry	SW6020B	0.0651	9.97	23.46	1.69	91.2	75 - 125				
Silver	20.9	mg/kg-dry	SW6020B	0.00622	1.76	23.46	1.19	84.0	75 - 125				
<b>Lab Sample ID: 1706188-001AMS</b>													
Test Code: 6020B-S		Date Analyzed: 06/20/2017 1410h	Date Prepared: 06/13/2017 930h										
Barium	313	mg/kg-dry	SW6020B	13.2	21.1	23.46	469	-664	75 - 125				S
Lead	541	mg/kg-dry	SW6020B	0.889	30.5	23.46	650	-465	75 - 125				S

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Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer

## QC SUMMARY REPORT

**Client:** Sage Environmental, LLC

**Lab Set ID:** 1706271

**Project:** Silver Gate Ranches

**Contact:** Laurie Goldner

**Dept:** ME

**QC Type:** MS

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
<b>Lab Sample ID: 1706353-001AMS</b>		Date Analyzed:	06/21/2017 1325h										
Test Code: 6020B-S		Date Prepared:	06/19/2017 1741h										
Arsenic	42.9	mg/kg-dry	SW6020B	0.159	2.81	22.48	24.8	80.5	75 - 125				
Lead	126	mg/kg-dry	SW6020B	0.213	7.31	22.48	97.3	126	75 - 125				3
<b>Lab Sample ID: 1706271-058AMS</b>		Date Analyzed:	06/22/2017 1612h										
Test Code: 6020B-S		Date Prepared:	06/16/2017 1100h										
Arsenic	28.5	mg/kg-dry	SW6020B	0.174	3.08	24.65	4.55	97.0	75 - 125				
Cadmium	24.5	mg/kg-dry	SW6020B	0.0177	1.05	24.65	0.972	95.6	75 - 125				
Chromium	57.7	mg/kg-dry	SW6020B	4.34	12.3	24.65	39.6	73.4	75 - 125				3
Lead	33.9	mg/kg-dry	SW6020B	0.234	8.01	24.65	11.5	90.7	75 - 125				
Selenium	23.4	mg/kg-dry	SW6020B	0.0684	10.5	24.65	0.0989	94.5	75 - 125				
Silver	24.1	mg/kg-dry	SW6020B	0.00653	1.85	24.65	0.227	96.8	75 - 125				
<b>Lab Sample ID: 1706271-015AMS</b>		Date Analyzed:	06/22/2017 1410h										
Test Code: 6020B-S		Date Prepared:	06/13/2017 1442h										
Arsenic	27.4	mg/kg-dry	SW6020B	0.173	3.06	24.51	4.5	93.4	75 - 125				
Barium	240	mg/kg-dry	SW6020B	3.44	5.52	24.51	228	50.9	75 - 125				2
Cadmium	25.3	mg/kg-dry	SW6020B	0.0176	1.04	24.51	0.872	99.7	75 - 125				
Chromium	66.8	mg/kg-dry	SW6020B	4.31	12.3	24.51	37.7	119	75 - 125				
Lead	37.9	mg/kg-dry	SW6020B	0.232	7.97	24.51	14	97.7	75 - 125				
Selenium	31.1	mg/kg-dry	SW6020B	0.0680	10.4	24.51	0	127	75 - 125				3
Silver	24.4	mg/kg-dry	SW6020B	0.00650	1.84	24.51	0.127	99.0	75 - 125				
<b>Lab Sample ID: 1706271-078AMS</b>		Date Analyzed:	06/22/2017 1608h										
Test Code: 6020B-S		Date Prepared:	06/16/2017 1321h										
Arsenic	28.2	mg/kg-dry	SW6020B	0.167	2.95	23.57	3.84	103	75 - 125				
Lead	31.6	mg/kg-dry	SW6020B	0.223	7.66	23.57	8.91	96.4	75 - 125				
<b>Lab Sample ID: 1706271-118AMS</b>		Date Analyzed:	06/22/2017 1752h										
Test Code: 6020B-S		Date Prepared:	06/19/2017 1130h										
Arsenic	33.9	mg/kg-dry	SW6020B	0.157	2.77	22.14	10.5	106	75 - 125				

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Kyle F. Gross  
Laboratory Director

Jose Rocha  
QA Officer

## QC SUMMARY REPORT

**Client:** Sage Environmental, LLC  
**Lab Set ID:** 1706271  
**Project:** Silver Gate Ranches

**Contact:** Laurie Goldner  
**Dept:** ME  
**QC Type:** MS

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
<b>Lab Sample ID:</b> 1706271-118AMS	Date Analyzed:	06/22/2017 1752h											
Test Code:	6020B-S	Date Prepared:	06/19/2017 1130h										
Lead	128	mg/kg-dry	SW6020B	0.210	7.19	22.14	69.2	268	75 - 125				3
<b>Lab Sample ID:</b> 1706271-098AMS	Date Analyzed:	06/22/2017 2008h											
Test Code:	6020B-S	Date Prepared:	06/16/2017 1800h										
Arsenic	35.6	mg/kg-dry	SW6020B	0.143	2.53	20.21	10.5	124	75 - 125				
Lead	197	mg/kg-dry	SW6020B	0.192	6.57	20.21	58.3	688	75 - 125				3
<b>Lab Sample ID:</b> 1706271-058AMS	Date Analyzed:	06/22/2017 2220h											
Test Code:	6020B-S	Date Prepared:	06/16/2017 1100h										
Barium	307	mg/kg-dry	SW6020B	3.46	5.55	24.65	326	-75.8	75 - 125				2
<b>Lab Sample ID:</b> 1706271-138AMS	Date Analyzed:	06/22/2017 2337h											
Test Code:	6020B-S	Date Prepared:	06/19/2017 1309h										
Arsenic	27.4	mg/kg-dry	SW6020B	0.143	2.53	20.24	7.41	98.7	75 - 125				
Lead	40.1	mg/kg-dry	SW6020B	0.192	6.58	20.24	21.6	91.3	75 - 125				
<b>Lab Sample ID:</b> 1706271-001AMS	Date Analyzed:	06/20/2017 1337h											
Test Code:	HG-S-7471B	Date Prepared:	06/16/2017 1545h										
Mercury	0.493	mg/kg-dry	SW7471B	0.00197	0.0426	0.4263	0.0491	104	80 - 120				

<sup>2</sup> - Analyte concentration is too high for accurate matrix spike recovery and/or RPD.

<sup>3</sup> - Matrix spike recoveries and/or high RPDs indicate suspected sample non-homogeneity. The method is in control as indicated by the LCS.





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## QC SUMMARY REPORT

**Client:** Sage Environmental, LLC  
**Lab Set ID:** 1706271  
**Project:** Silver Gate Ranches

**Contact:** Laurie Goldner  
**Dept:** ME  
**QC Type:** MSD

Analyte		Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual	
Lab Sample ID:	1706317-002AMSD	Date Analyzed:	06/16/2017 1012h												
Test Code:	6020B-S	Date Prepared:	06/14/2017 1530h												
Arsenic	47.1	mg/kg-dry	SW6020B	0.260	4.59	36.75	14.7	88.1	75 - 125	40.6	14.9	20	3		
Barium	256	mg/kg-dry	SW6020B	5.16	8.27	36.75	238	50.1	75 - 125	201	24.2	20			
Cadmium	34.1	mg/kg-dry	SW6020B	0.0265	1.56	36.75	1.55	88.5	75 - 125	29.8	13.3	20			
Chromium	81.8	mg/kg-dry	SW6020B	6.47	18.4	36.75	52.3	80.3	75 - 125	66.9	20.1	20	3		
Lead	76.0	mg/kg-dry	SW6020B	0.348	11.9	36.75	47.3	78.2	75 - 125	71	6.85	20			
Selenium	33.6	mg/kg-dry	SW6020B	0.102	15.6	36.75	0.808	89.2	75 - 125	29.5	12.9	20			
Silver	33.5	mg/kg-dry	SW6020B	0.00974	2.76	36.75	0.265	90.4	75 - 125	29.2	13.7	20			
Lab Sample ID: 1706271-050AMSD		Date Analyzed:	06/18/2017 1437h												
Test Code:	6020B-S	Date Prepared:	06/15/2017 1425h												
Arsenic	23.2	mg/kg-dry	SW6020B	0.149	2.63	21.03	1.83	102	75 - 125	21.7	6.45	20	3		
Barium	217	mg/kg-dry	SW6020B	2.95	4.73	21.03	212	21.1	75 - 125	191	12.7	20			
Cadmium	21.6	mg/kg-dry	SW6020B	0.0151	0.894	21.03	0.566	100	75 - 125	20.9	3.60	20			
Chromium	45.6	mg/kg-dry	SW6020B	3.70	10.5	21.03	36.6	42.9	75 - 125	54.3	17.5	20	3		
Lead	30.6	mg/kg-dry	SW6020B	0.199	6.84	21.03	7.9	108	75 - 125	28.7	6.58	20			
Selenium	20.6	mg/kg-dry	SW6020B	0.0584	8.94	21.03	0.0783	97.7	75 - 125	19.3	6.45	20			
Silver	21.1	mg/kg-dry	SW6020B	0.00557	1.58	21.03	0.129	99.8	75 - 125	20.2	4.21	20			
Lab Sample ID: 1706188-001AMSD		Date Analyzed:	06/20/2017 1258h												
Test Code:	6020B-S	Date Prepared:	06/13/2017 930h												
Arsenic	50.0	mg/kg-dry	SW6020B	0.175	3.09	24.71	30.5	78.9	75 - 125	49.1	1.73	20	3		
Cadmium	29.8	mg/kg-dry	SW6020B	0.0178	1.05	24.71	10.7	77.5	75 - 125	28.9	3.29	20			
Chromium	55.7	mg/kg-dry	SW6020B	4.35	12.4	24.71	45.2	42.7	75 - 125	56.5	1.30	20			
Selenium	23.5	mg/kg-dry	SW6020B	0.0686	10.5	24.71	1.69	88.4	75 - 125	23.1	1.87	20			
Silver	21.9	mg/kg-dry	SW6020B	0.00655	1.85	24.71	1.19	83.6	75 - 125	20.9	4.46	20			
Lab Sample ID: 1706188-001AMSD		Date Analyzed:	06/20/2017 1413h												
Test Code:	6020B-S	Date Prepared:	06/13/2017 930h												
Barium	377	mg/kg-dry	SW6020B	13.9	22.2	24.71	469	-370	75 - 125	334	12.1	20	S		
Lead	731	mg/kg-dry	SW6020B	0.937	32.1	24.71	650	327	75 - 125	537	30.6	20	SR		

Report Date: 6/26/2017 Page 174 of 176

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Laboratory Director

Jose Rocha  
QA Officer

## QC SUMMARY REPORT

**Client:** Sage Environmental, LLC  
**Lab Set ID:** 1706271  
**Project:** Silver Gate Ranches

**Contact:** Laurie Goldner  
**Dept:** ME  
**QC Type:** MSD

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
<b>Lab Sample ID: 1706353-001AMSD</b>		Date Analyzed:	06/21/2017 1336h										
Test Code: 6020B-S		Date Prepared:	06/19/2017 1741h										
Arsenic	42.7	mg/kg-dry	SW6020B	0.162	2.86	22.92	24.8	77.9	75 - 125	42.9	0.583	20	
Lead	109	mg/kg-dry	SW6020B	0.217	7.45	22.92	97.3	50.2	75 - 125	126	14.3	20	3
<b>Lab Sample ID: 1706271-058AMSD</b>		Date Analyzed:	06/22/2017 1616h										
Test Code: 6020B-S		Date Prepared:	06/16/2017 1100h										
Arsenic	27.4	mg/kg-dry	SW6020B	0.162	2.87	22.93	4.55	99.8	75 - 125	28.5	3.68	20	
Cadmium	23.2	mg/kg-dry	SW6020B	0.0165	0.974	22.93	0.972	97.1	75 - 125	24.5	5.48	20	
Chromium	55.8	mg/kg-dry	SW6020B	4.04	11.5	22.93	39.6	70.5	75 - 125	57.7	3.42	20	3
Lead	33.9	mg/kg-dry	SW6020B	0.217	7.45	22.93	11.5	97.5	75 - 125	33.9	0.0337	20	
Selenium	22.6	mg/kg-dry	SW6020B	0.0636	9.74	22.93	0.0989	98.0	75 - 125	23.4	3.62	20	
Silver	22.6	mg/kg-dry	SW6020B	0.00608	1.72	22.93	0.227	97.5	75 - 125	24.1	6.41	20	
<b>Lab Sample ID: 1706271-015AMSD</b>		Date Analyzed:	06/22/2017 1413h										
Test Code: 6020B-S		Date Prepared:	06/13/2017 1442h										
Arsenic	26.7	mg/kg-dry	SW6020B	0.171	3.01	24.11	4.5	92.0	75 - 125	27.4	2.67	20	
Barium	234	mg/kg-dry	SW6020B	3.39	5.42	24.11	228	27.1	75 - 125	240	2.51	20	2
Cadmium	24.5	mg/kg-dry	SW6020B	0.0174	1.02	24.11	0.872	97.9	75 - 125	25.3	3.29	20	
Chromium	63.0	mg/kg-dry	SW6020B	4.24	12.1	24.11	37.7	105	75 - 125	66.8	5.91	20	
Lead	35.9	mg/kg-dry	SW6020B	0.228	7.84	24.11	14	91.1	75 - 125	37.9	5.38	20	
Selenium	23.3	mg/kg-dry	SW6020B	0.0669	10.2	24.11	0	96.8	75 - 125	31.1	28.5	20	3
Silver	23.5	mg/kg-dry	SW6020B	0.00639	1.81	24.11	0.127	97.0	75 - 125	24.4	3.67	20	
<b>Lab Sample ID: 1706271-078AMSD</b>		Date Analyzed:	06/22/2017 1611h										
Test Code: 6020B-S		Date Prepared:	06/16/2017 1321h										
Arsenic	28.4	mg/kg-dry	SW6020B	0.173	3.06	24.51	3.84	100	75 - 125	28.2	0.667	20	
Lead	33.5	mg/kg-dry	SW6020B	0.232	7.96	24.51	8.91	100	75 - 125	31.6	5.66	20	
<b>Lab Sample ID: 1706271-118AMSD</b>		Date Analyzed:	06/22/2017 1755h										
Test Code: 6020B-S		Date Prepared:	06/19/2017 1130h										
Arsenic	31.2	mg/kg-dry	SW6020B	0.150	2.66	21.25	10.5	97.4	75 - 125	33.9	8.36	20	



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## QC SUMMARY REPORT

**Client:** Sage Environmental, LLC  
**Lab Set ID:** 1706271  
**Project:** Silver Gate Ranches

**Contact:** Laurie Goldner  
**Dept:** ME  
**QC Type:** MSD

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
<b>Lab Sample ID:</b> 1706271-118AMSD	Date Analyzed:	06/22/2017 1755h											
Test Code:	6020B-S	Date Prepared:	06/19/2017 1130h										
Lead	86.4	mg/kg-dry	SW6020B	0.201	6.91	21.25	69.2	81.4	75 - 125	128	39.1	20	<sup>3</sup>
<b>Lab Sample ID:</b> 1706271-098AMSD	Date Analyzed:	06/22/2017 2010h											
Test Code:	6020B-S	Date Prepared:	06/16/2017 1800h										
Arsenic	33.0	mg/kg-dry	SW6020B	0.152	2.69	21.52	10.5	104	75 - 125	35.6	7.84	20	
Lead	78.9	mg/kg-dry	SW6020B	0.204	7.00	21.52	58.3	95.7	75 - 125	197	85.8	20	<sup>3</sup>
<b>Lab Sample ID:</b> 1706271-058AMSD	Date Analyzed:	06/22/2017 2223h											
Test Code:	6020B-S	Date Prepared:	06/16/2017 1100h										
Barium	319	mg/kg-dry	SW6020B	3.22	5.16	22.93	326	-28.5	75 - 125	307	3.88	20	<sup>2</sup>
<b>Lab Sample ID:</b> 1706271-138AMSD	Date Analyzed:	06/22/2017 2340h											
Test Code:	6020B-S	Date Prepared:	06/19/2017 1309h										
Arsenic	29.5	mg/kg-dry	SW6020B	0.153	2.69	21.56	7.41	102	75 - 125	27.4	7.38	20	
Lead	42.8	mg/kg-dry	SW6020B	0.204	7.01	21.56	21.6	98.3	75 - 125	40.1	6.50	20	
<b>Lab Sample ID:</b> 1706271-001AMSD	Date Analyzed:	06/20/2017 1339h											
Test Code:	HG-S-7471B	Date Prepared:	06/16/2017 1545h										
Mercury	0.457	mg/kg-dry	SW7471B	0.00177	0.0382	0.3822	0.0491	107	80 - 120	0.493	7.52	20	

<sup>2</sup> - Analyte concentration is too high for accurate matrix spike recovery and/or RPD.

<sup>3</sup> - Matrix spike recoveries and/or high RPDs indicate suspected sample non-homogeneity. The method is in control as indicated by the LCS.

**WORK ORDER Summary**Work Order: **1706271** Page 1 of 23

Client: Sage Environmental, LLC

Due Date: 6/26/2017

Client ID: SAG100

Contact: Laurie Goldner

Project: Silver Gate Ranches

QC Level: II

WO Type: Standard

Comments: QC 2. Please retain extracts for all samples for 60 days.;

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage
1706271-001A	SGR-L1C-0-2"	5/24/2017 0930h	6/12/2017 1639h	3051A-ICPMS-PR	Soil		DF-Metals
				6020B-S			DF-Metals
				7 SEL Analytes: AS BA CD CR PB SE AG			
				HG-S-7471B			DF-Metals
				1 SEL Analytes: HG			
				HG-S-PR-B			DF-Metals
				PMOIST			DF-Metals
1706271-002A	SGR-L1C-6-12"	5/24/2017 0934h	6/12/2017 1639h	3051A-ICPMS-PR	Soil		DF-Metals
				6020B-S			DF-Metals
				2 SEL Analytes: AS PB			
				PMOIST			DF-Metals
1706271-003A	SGR-L1C-4'	5/24/2017 0937h	6/12/2017 1639h	3051A-ICPMS-PR	Soil		DF-Metals
				6020B-S			DF-Metals
				2 SEL Analytes: AS PB			
				PMOIST			DF-Metals
1706271-004A	SGR-L1C-9'	5/24/2017 0951h	6/12/2017 1639h	3051A-ICPMS-PR	Soil		DF-Metals
				6020B-S			DF-Metals
				2 SEL Analytes: AS PB			
				PMOIST			DF-Metals
1706271-005A	SGR-L2C-0-2"	5/24/2017 1011h	6/12/2017 1639h	3051A-ICPMS-PR	Soil		DF-Metals
				6020B-S			DF-Metals
				7 SEL Analytes: AS BA CD CR PB SE AG			
				HG-S-7471B			DF-Metals
				1 SEL Analytes: HG			
				HG-S-PR-B			DF-Metals
				PMOIST			DF-Metals
1706271-006A	SGR-L2C-6-12"	5/24/2017 1017h	6/12/2017 1639h	3051A-ICPMS-PR	Soil		DF-Metals
				6020B-S			DF-Metals
				2 SEL Analytes: AS PB			

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Client: Sage Environmental, LLC

Due Date: 6/26/2017

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage
1706271-006A	SGR-L2C-6-12"	5/24/2017 1017h	6/12/2017 1639h	PMOIST	Soil		DF-Metals 1
1706271-007A	SGR-L2C-4'	5/24/2017 1022h	6/12/2017 1639h	3051A-ICPMS-PR	Soil		DF-Metals 1
				6020B-S			DF-Metals
				2 SEL Analytes: AS PB			
				PMOIST			DF-Metals
1706271-008A	SGR-L2C-9'	5/24/2017 1034h	6/12/2017 1639h	3051A-ICPMS-PR	Soil		DF-Metals 1
				6020B-S			DF-Metals
				2 SEL Analytes: AS PB			
				PMOIST			DF-Metals
1706271-009A	SGR-L3C-0-2"	5/24/2017 1051h	6/12/2017 1639h	3051A-ICPMS-PR	Soil		DF-Metals 1
				6020B-S			DF-Metals
				7 SEL Analytes: AS BA CD CR PB SE AG			
				HG-S-7471B			DF-Metals
				1 SEL Analytes: HG			
				HG-S-PR-B			DF-Metals
				PMOIST			DF-Metals
1706271-010A	SGR-L3C-6-12"	5/24/2017 1055h	6/12/2017 1639h	3051A-ICPMS-PR	Soil		DF-Metals 1
				6020B-S			DF-Metals
				2 SEL Analytes: AS PB			
				PMOIST			DF-Metals
1706271-011A	SGR-L3C-4'	5/24/2017 1059h	6/12/2017 1639h	3051A-ICPMS-PR	Soil		DF-Metals 1
				6020B-S			DF-Metals
				2 SEL Analytes: AS PB			
				PMOIST			DF-Metals
1706271-012A	SGR-L3C-9'	5/24/2017 1111h	6/12/2017 1639h	3051A-ICPMS-PR	Soil		DF-Metals 1
				6020B-S			DF-Metals
				2 SEL Analytes: AS PB			
				PMOIST			DF-Metals
1706271-013A	SGR-L4C-0-2"	5/24/2017 1133h	6/12/2017 1639h	3051A-ICPMS-PR	Soil		DF-Metals 1
				6020B-S			DF-Metals
				7 SEL Analytes: AS BA CD CR PB SE AG			
				HG-S-7471B			DF-Metals
				1 SEL Analytes: HG			

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Due Date: 6/26/2017

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage
1706271-013A	SGR-L4C-0-2"	5/24/2017 1133h	6/12/2017 1639h	HG-S-PR-B PMOIST	Soil	DF-Metals DF-Metals	1
1706271-014A	SGR-L4C-6-12"	5/24/2017 1143h	6/12/2017 1639h	3051A-ICPMS-PR 6020B-S 2 SEL Analytes: AS PB PMOIST	Soil	DF-Metals DF-Metals DF-Metals	1
1706271-015A	SGR-L4C-4'	5/24/2017 1146h	6/12/2017 1639h	3051A-ICPMS-PR 6020B-S 2 SEL Analytes: AS PB PMOIST	Soil	DF-Metals DF-Metals DF-Metals	1
1706271-016A	SGR-L4C-9'	5/24/2017 1200h	6/12/2017 1639h	3051A-ICPMS-PR 6020B-S 2 SEL Analytes: AS PB PMOIST	Soil	DF-Metals DF-Metals DF-Metals	1
1706271-017A	SGR-L5C-0-2"	5/24/2017 1214h	6/12/2017 1639h	3051A-ICPMS-PR 6020B-S 7 SEL Analytes: AS BA CD CR PB SE AG HG-S-7471B 1 SEL Analytes: HG HG-S-PR-B PMOIST	Soil	DF-Metals DF-Metals DF-Metals DF-Metals DF-Metals	1
1706271-018A	SGR-L5C-6-12"	5/24/2017 1218h	6/12/2017 1639h	3051A-ICPMS-PR 6020B-S 2 SEL Analytes: AS PB PMOIST	Soil	DF-Metals DF-Metals DF-Metals	1
1706271-019A	SGR-L5C-4'	5/24/2017 1226h	6/12/2017 1639h	3051A-ICPMS-PR 6020B-S 2 SEL Analytes: AS PB PMOIST	Soil	DF-Metals DF-Metals DF-Metals	1
1706271-020A	SGR-L5C-9'	5/24/2017 1232h	6/12/2017 1639h	3051A-ICPMS-PR 6020B-S 2 SEL Analytes: AS PB PMOIST	Soil	DF-Metals DF-Metals DF-Metals	1

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Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage
1706271-021A	SGR-L6C-0-2"	5/24/2017 1326h	6/12/2017 1639h	3051A-ICPMS-PR	Soil		DF-Metals 1
				6020B-S			DF-Metals
				7 SEL Analytes: AS BA CD CR PB SE AG			
				HG-S-7471B			DF-Metals
				1 SEL Analytes: HG			
				HG-S-PR-B			DF-Metals
				PMOIST			DF-Metals
1706271-022A	SGR-L6C-6-12"	5/24/2017 1330h	6/12/2017 1639h	3051A-ICPMS-PR	Soil		DF-Metals 1
				6020B-S			DF-Metals
				2 SEL Analytes: AS PB			
				PMOIST			DF-Metals
1706271-023A	SGR-L6C-4'	5/24/2017 1334h	6/12/2017 1639h	3051A-ICPMS-PR	Soil		DF-Metals 1
				6020B-S			DF-Metals
				2 SEL Analytes: AS PB			
				PMOIST			DF-Metals
1706271-024A	SGR-L6C-9'	5/24/2017 1342h	6/12/2017 1639h	3051A-ICPMS-PR	Soil		DF-Metals 1
				6020B-S			DF-Metals
				2 SEL Analytes: AS PB			
				PMOIST			DF-Metals
1706271-025A	SGR-L7C-0-2"	5/24/2017 1408h	6/12/2017 1639h	3051A-ICPMS-PR	Soil		DF-Metals 1
				6020B-S			DF-Metals
				7 SEL Analytes: AS BA CD CR PB SE AG			
				HG-S-7471B			DF-Metals
				1 SEL Analytes: HG			
				HG-S-PR-B			DF-Metals
				PMOIST			DF-Metals
1706271-026A	SGR-L7C-6-12"	5/24/2017 1427h	6/12/2017 1639h	3051A-ICPMS-PR	Soil		DF-Metals 1
				6020B-S			DF-Metals
				2 SEL Analytes: AS PB			
				PMOIST			DF-Metals
1706271-027A	SGR-L7C-4'	5/24/2017 1437h	6/12/2017 1639h	3051A-ICPMS-PR	Soil		DF-Metals 1
				6020B-S			DF-Metals
				2 SEL Analytes: AS PB			
				PMOIST			DF-Metals

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Due Date: 6/26/2017

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage
1706271-028A	SGR-L13C-0-2"	5/24/2017 1505h	6/12/2017 1639h	3051A-ICPMS-PR	Soil		DF-Metals 1
				6020B-S			DF-Metals
				7 SEL Analytes: AS BA CD CR PB SE AG			
				HG-S-7471B			DF-Metals
				1 SEL Analytes: HG			
				HG-S-PR-B			DF-Metals
				PMOIST			DF-Metals
1706271-029A	SGR-L13C-6-12"	5/24/2017 1510h	6/12/2017 1639h	3051A-ICPMS-PR	Soil		DF-Metals 1
				6020B-S			DF-Metals
				2 SEL Analytes: AS PB			
				PMOIST			DF-Metals
1706271-030A	SGR-L13C-4'	5/24/2017 1513h	6/12/2017 1639h	3051A-ICPMS-PR	Soil		DF-Metals 1
				6020B-S			DF-Metals
				2 SEL Analytes: AS PB			
				PMOIST			DF-Metals
1706271-031A	SGR-L13C-9'	5/24/2017 1522h	6/12/2017 1639h	3051A-ICPMS-PR	Soil		DF-Metals 1
				6020B-S			DF-Metals
				2 SEL Analytes: AS PB			
				PMOIST			DF-Metals
1706271-032A	SGR-L12C-0-2"	5/24/2017 1537h	6/12/2017 1639h	3051A-ICPMS-PR	Soil		DF-Metals 1
				6020B-S			DF-Metals
				7 SEL Analytes: AS BA CD CR PB SE AG			
				HG-S-7471B			DF-Metals
				1 SEL Analytes: HG			
				HG-S-PR-B			DF-Metals
				PMOIST			DF-Metals
1706271-033A	SGR-L12C-6-12"	5/24/2017 1551h	6/12/2017 1639h	3051A-ICPMS-PR	Soil		DF-Metals 1
				6020B-S			DF-Metals
				2 SEL Analytes: AS PB			
				PMOIST			DF-Metals
1706271-034A	SGR-L12C-4'	5/24/2017 1554h	6/12/2017 1639h	3051A-ICPMS-PR	Soil		DF-Metals 1
				6020B-S			DF-Metals
				2 SEL Analytes: AS PB			

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Due Date: 6/26/2017

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage
1706271-034A	SGR-L12C-4'	5/24/2017 1554h	6/12/2017 1639h	PMOIST	Soil		DF-Metals 1
1706271-035A	SGR-L12C-9'	5/24/2017 1604h	6/12/2017 1639h	3051A-ICPMS-PR	Soil		DF-Metals 1
				6020B-S			DF-Metals
				2 SEL Analytes: AS PB			
				PMOIST			DF-Metals
1706271-036A	SGR-L11C-0-2"	5/24/2017 1622h	6/12/2017 1639h	3051A-ICPMS-PR	Soil		DF-Metals 1
				6020B-S			DF-Metals
				7 SEL Analytes: AS BA CD CR PB SE AG			
				HG-S-7471B			DF-Metals
				1 SEL Analytes: HG			
				HG-S-PR-B			DF-Metals
				PMOIST			DF-Metals
1706271-037A	SGR-L11C-6-12"	5/24/2017 1626h	6/12/2017 1639h	3051A-ICPMS-PR	Soil		DF-Metals 1
				6020B-S			DF-Metals
				2 SEL Analytes: AS PB			
				PMOIST			DF-Metals
1706271-038A	SGR-L11C-4'	5/24/2017 1631h	6/12/2017 1639h	3051A-ICPMS-PR	Soil		DF-Metals 1
				6020B-S			DF-Metals
				2 SEL Analytes: AS PB			
				PMOIST			DF-Metals
1706271-039A	SGR-L11C-9'	5/24/2017 1638h	6/12/2017 1639h	3051A-ICPMS-PR	Soil		DF-Metals 1
				6020B-S			DF-Metals
				2 SEL Analytes: AS PB			
				PMOIST			DF-Metals
1706271-040A	SGR-L10C-0-2"	5/24/2017 1653h	6/12/2017 1639h	3051A-ICPMS-PR	Soil		DF-Metals 1
				6020B-S			DF-Metals
				7 SEL Analytes: AS BA CD CR PB SE AG			
				HG-S-7471B			DF-Metals
				1 SEL Analytes: HG			
				HG-S-PR-B			DF-Metals
				PMOIST			DF-Metals
1706271-041A	SGR-L10C-6-12"	5/24/2017 1656h	6/12/2017 1639h	3051A-ICPMS-PR	Soil		DF-Metals 1



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Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage
1706271-041A	SGR-L10C-6-12"	5/24/2017 1656h	6/12/2017 1639h	6020B-S 2 SEL Analytes: AS PB PMOIST	Soil	DF-Metals	1
1706271-042A	SGR-L10C-4'	5/24/2017 1658h	6/12/2017 1639h	3051A-ICPMS-PR 6020B-S 2 SEL Analytes: AS PB PMOIST	Soil	DF-Metals	1
1706271-043A	SGR-L10C-9'	5/24/2017 1704h	6/12/2017 1639h	3051A-ICPMS-PR 6020B-S 2 SEL Analytes: AS PB PMOIST	Soil	DF-Metals	1
1706271-044A	SGR-L9C-0-2"	5/24/2017 1729h	6/12/2017 1639h	3051A-ICPMS-PR 6020B-S 7 SEL Analytes: AS BA CD CR PB SE AG HG-S-7471B 1 SEL Analytes: HG HG-S-PR-B PMOIST	Soil	DF-Metals	1
1706271-045A	SGR-L9C-6-12"	5/24/2017 1738h	6/12/2017 1639h	3051A-ICPMS-PR 6020B-S 2 SEL Analytes: AS PB PMOIST	Soil	DF-Metals	1
1706271-046A	SGR-L9C-4'	5/24/2017 1741h	6/12/2017 1639h	3051A-ICPMS-PR 6020B-S 2 SEL Analytes: AS PB PMOIST	Soil	DF-Metals	1
1706271-047A	SGR-L9C-9'	5/24/2017 1750h	6/12/2017 1639h	3051A-ICPMS-PR 6020B-S 2 SEL Analytes: AS PB PMOIST	Soil	DF-Metals	1
1706271-048A	SGR-L8C-0-2"	5/24/2017 1811h	6/12/2017 1639h	3051A-ICPMS-PR 6020B-S 7 SEL Analytes: AS BA CD CR PB SE AG	Soil	DF-Metals	1

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Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage
1706271-048A	SGR-L8C-0-2"	5/24/2017 1811h	6/12/2017 1639h	HG-S-7471B 1 SEL Analytes: HG	Soil		DF-Metals 1
				HG-S-PR-B			DF-Metals
				PMOIST			DF-Metals
1706271-049A	SGR-L8C-6-12"	5/24/2017 1814h	6/12/2017 1639h	3051A-ICPMS-PR 6020B-S 2 SEL Analytes: AS PB	Soil		DF-Metals 1
				PMOIST			DF-Metals
1706271-050A	SGR-L8C-4'	5/24/2017 1825h	6/12/2017 1639h	3051A-ICPMS-PR 6020B-S 2 SEL Analytes: AS PB	Soil		DF-Metals 1
				PMOIST			DF-Metals
1706271-051A	SGR-L8C-9'	5/24/2017 1823h	6/12/2017 1639h	3051A-ICPMS-PR 6020B-S 2 SEL Analytes: AS PB	Soil		DF-Metals 1
				PMOIST			DF-Metals
1706271-052A	SGR-L14C-0-2"	5/25/2017 0938h	6/12/2017 1639h	3051A-ICPMS-PR 6020B-S 7 SEL Analytes: AS BA CD CR PB SE AG	Soil		DF-Metals 1
				HG-S-7471B 1 SEL Analytes: HG			DF-Metals
				HG-S-PR-B			DF-Metals
				PMOIST			DF-Metals
1706271-053A	SGR-L14C-6-12"	5/25/2017 0941h	6/12/2017 1639h	3051A-ICPMS-PR 6020B-S 2 SEL Analytes: AS PB	Soil		DF-Metals 1
				PMOIST			DF-Metals
1706271-054A	SGR-L14C-4'	5/25/2017 0945h	6/12/2017 1639h	3051A-ICPMS-PR 6020B-S 2 SEL Analytes: AS PB	Soil		DF-Metals 1
				PMOIST			DF-Metals
1706271-055A	SGR-L14C-9'	5/25/2017 0953h	6/12/2017 1639h	3051A-ICPMS-PR	Soil		DF-Metals 1

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Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage
1706271-055A	SGR-L14C-9'	5/25/2017 0953h	6/12/2017 1639h	6020B-S 2 SEL Analytes: AS PB PMOIST	Soil		DF-Metals DF-Metals
1706271-056A	SGR-L15C-0-2"	5/25/2017 1013h	6/12/2017 1639h	3051A-ICPMS-PR 6020B-S 7 SEL Analytes: AS BA CD CR PB SE AG HG-S-7471B 1 SEL Analytes: HG HG-S-PR-B PMOIST	Soil		DF-Metals DF-Metals DF-Metals DF-Metals DF-Metals
1706271-057A	SGR-L15C-6-12"	5/25/2017 1016h	6/12/2017 1639h	3051A-ICPMS-PR 6020B-S 2 SEL Analytes: AS PB PMOIST	Soil		DF-Metals DF-Metals DF-Metals
1706271-058A	SGR-L15C-4'	5/25/2017 1020h	6/12/2017 1639h	3051A-ICPMS-PR 6020B-S 2 SEL Analytes: AS PB PMOIST	Soil		DF-Metals DF-Metals DF-Metals
1706271-059A	SGR-L15C-9'	5/25/2017 1029h	6/12/2017 1639h	3051A-ICPMS-PR 6020B-S 2 SEL Analytes: AS PB PMOIST	Soil		DF-Metals DF-Metals DF-Metals
1706271-060A	SGR-L16C-0-2"	5/25/2017 1042h	6/12/2017 1639h	3051A-ICPMS-PR 6020B-S 7 SEL Analytes: AS BA CD CR PB SE AG HG-S-7471B 1 SEL Analytes: HG HG-S-PR-B PMOIST	Soil		DF-Metals DF-Metals DF-Metals DF-Metals DF-Metals
1706271-061A	SGR-L16C-6-12"	5/25/2017 1049h	6/12/2017 1639h	3051A-ICPMS-PR 6020B-S 2 SEL Analytes: AS PB PMOIST	Soil		DF-Metals DF-Metals DF-Metals

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Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage
1706271-062A	SGR-L16C-4'	5/25/2017 1052h	6/12/2017 1639h	3051A-ICPMS-PR	Soil		DF-Metals
				6020B-S			DF-Metals
				2 SEL Analytes: AS PB			
				PMOIST			DF-Metals
1706271-063A	SGR-L16C-9'	5/25/2017 1059h	6/12/2017 1639h	3051A-ICPMS-PR	Soil		DF-Metals
				6020B-S			DF-Metals
				2 SEL Analytes: AS PB			
				PMOIST			DF-Metals
1706271-064A	SGR-L17C-0-2"	5/25/2017 1121h	6/12/2017 1639h	3051A-ICPMS-PR	Soil		DF-Metals
				6020B-S			DF-Metals
				7 SEL Analytes: AS BA CD CR PB SE AG			
				HG-S-7471B			DF-Metals
				1 SEL Analytes: HG			
				HG-S-PR-B			DF-Metals
				PMOIST			DF-Metals
1706271-065A	SGR-L17C-6-12"	5/25/2017 1125h	6/12/2017 1639h	3051A-ICPMS-PR	Soil		DF-Metals
				6020B-S			DF-Metals
				2 SEL Analytes: AS PB			
				PMOIST			DF-Metals
1706271-066A	SGR-L17C-4'	5/25/2017 1129h	6/12/2017 1639h	3051A-ICPMS-PR	Soil		DF-Metals
				6020B-S			DF-Metals
				2 SEL Analytes: AS PB			
				PMOIST			DF-Metals
1706271-067A	SGR-L17C-9'	5/25/2017 1135h	6/12/2017 1639h	3051A-ICPMS-PR	Soil		DF-Metals
				6020B-S			DF-Metals
				2 SEL Analytes: AS PB			
				PMOIST			DF-Metals
1706271-068A	SGR-L18C-0-2"	5/25/2017 1152h	6/12/2017 1639h	3051A-ICPMS-PR	Soil		DF-Metals
				6020B-S			DF-Metals
				7 SEL Analytes: AS BA CD CR PB SE AG			
				HG-S-7471B			DF-Metals
				1 SEL Analytes: HG			
				HG-S-PR-B			DF-Metals
				PMOIST			DF-Metals

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Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage
1706271-069A	SGR-L18C-6-12"	5/25/2017 1154h	6/12/2017 1639h	3051A-ICPMS-PR	Soil	DF-Metals	1
				6020B-S		DF-Metals	
				2 SEL Analytes: AS PB			
				PMOIST		DF-Metals	
1706271-070A	SGR-L18C-4'	5/25/2017 1202h	6/12/2017 1639h	3051A-ICPMS-PR	Soil	DF-Metals	1
				6020B-S		DF-Metals	
				2 SEL Analytes: AS PB			
				PMOIST		DF-Metals	
1706271-071A	SGR-L18C-9'	5/25/2017 1209h	6/12/2017 1639h	3051A-ICPMS-PR	Soil	DF-Metals	1
				6020B-S		DF-Metals	
				2 SEL Analytes: AS PB			
				PMOIST		DF-Metals	
1706271-072A	SGR-L19C-0-2"	5/24/2017 1540h	6/12/2017 1639h	3051A-ICPMS-PR	Soil	DF-Metals	1
				6020B-S		DF-Metals	
				7 SEL Analytes: AS BA CD CR PB SE AG			
				HG-S-7471B		DF-Metals	
				1 SEL Analytes: HG			
				HG-S-PR-B		DF-Metals	
				PMOIST		DF-Metals	
1706271-073A	SGR-L19C-6-12"	5/24/2017 1332h	6/12/2017 1639h	3051A-ICPMS-PR	Soil	DF-Metals	1
				6020B-S		DF-Metals	
				2 SEL Analytes: AS PB			
				PMOIST		DF-Metals	
1706271-074A	SGR-L19C-4'	5/24/2017 1102h	6/12/2017 1639h	3051A-ICPMS-PR	Soil	DF-Metals	1
				6020B-S		DF-Metals	
				2 SEL Analytes: AS PB			
				PMOIST		DF-Metals	
1706271-075A	SGR-L19C-9'	5/24/2017 1706h	6/12/2017 1639h	3051A-ICPMS-PR	Soil	DF-Metals	1
				6020B-S		DF-Metals	
				2 SEL Analytes: AS PB			
				PMOIST		DF-Metals	
1706271-076A	SGR-L20C-0-2"	5/25/2017 1045h	6/12/2017 1639h	3051A-ICPMS-PR	Soil	DF-Metals	1

# WORK ORDER Summary

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Client: Sage Environmental, LLC

Due Date: 6/26/2017

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage
1706271-076A	SGR-L20C-0-2"	5/25/2017 1045h	6/12/2017 1639h	6020B-S	Soil		DF-Metals
				7 SEL Analytes: AS BA CD CR PB SE AG			
				HG-S-7471B			DF-Metals
				1 SEL Analytes: HG			
1706271-077A	SGR-L20C-6-12"	5/25/2017 1156h	6/12/2017 1639h	3051A-ICPMS-PR	Soil		DF-Metals
				6020B-S			DF-Metals
				2 SEL Analytes: AS PB			
				PMOIST			DF-Metals
1706271-078A	SGR-L20C-9'	5/25/2017 0958h	6/12/2017 1639h	3051A-ICPMS-PR	Soil		DF-Metals
				6020B-S			DF-Metals
				2 SEL Analytes: AS PB			
				PMOIST			DF-Metals
1706271-079A	SGR-L18E-0-2"	5/25/2017 1308h	6/12/2017 1639h	3051A-ICPMS-PR	Soil		DF-Metals
				6020B-S			DF-Metals
				2 SEL Analytes: AS PB			
				PMOIST			DF-Metals
1706271-080A	SGR-L18E-6-12"	5/25/2017 1308h	6/12/2017 1639h	3051A-ICPMS-PR	Soil		DF-Metals
				6020B-S			DF-Metals
				2 SEL Analytes: AS PB			
				PMOIST			DF-Metals
1706271-081A	SGR-L17E-0-2"	5/25/2017 1321h	6/12/2017 1639h	3051A-ICPMS-PR	Soil		DF-Metals
				6020B-S			DF-Metals
				2 SEL Analytes: AS PB			
				PMOIST			DF-Metals
1706271-082A	SGR-L17E-6-12"	5/25/2017 1323h	6/12/2017 1639h	3051A-ICPMS-PR	Soil		DF-Metals
				6020B-S			DF-Metals
				2 SEL Analytes: AS PB			
				PMOIST			DF-Metals
1706271-083A	SGR-L16E-0-2"	5/25/2017 1331h	6/12/2017 1639h	3051A-ICPMS-PR	Soil		DF-Metals
				6020B-S			DF-Metals
				2 SEL Analytes: AS PB			

# WORK ORDER Summary

Work Order: **1706271** Page 13 of 23

Client: Sage Environmental, LLC

Due Date: 6/26/2017

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage
1706271-083A	SGR-L16E-0-2"	5/25/2017 1331h	6/12/2017 1639h	PMOIST	Soil		DF-Metals 1
1706271-084A	SGR-L16E-6-12"	5/25/2017 1331h	6/12/2017 1639h	3051A-ICPMS-PR	Soil		DF-Metals 1
				6020B-S			DF-Metals
				2 SEL Analytes: AS PB			
				PMOIST			DF-Metals
1706271-085A	SGR-L15E-0-2"	5/25/2017 1340h	6/12/2017 1639h	3051A-ICPMS-PR	Soil		DF-Metals 1
				6020B-S			DF-Metals
				2 SEL Analytes: AS PB			
				PMOIST			DF-Metals
1706271-086A	SGR-L15E-6-12"	5/25/2017 1340h	6/12/2017 1639h	3051A-ICPMS-PR	Soil		DF-Metals 1
				6020B-S			DF-Metals
				2 SEL Analytes: AS PB			
				PMOIST			DF-Metals
1706271-087A	SGR-L14E-0-2"	5/25/2017 1356h	6/12/2017 1639h	3051A-ICPMS-PR	Soil		DF-Metals 1
				6020B-S			DF-Metals
				2 SEL Analytes: AS PB			
				PMOIST			DF-Metals
1706271-088A	SGR-L14E-6-12"	5/25/2017 1356h	6/12/2017 1639h	3051A-ICPMS-PR	Soil		DF-Metals 1
				6020B-S			DF-Metals
				2 SEL Analytes: AS PB			
				PMOIST			DF-Metals
1706271-089A	SGR-L14W-0-2"	5/25/2017 1406h	6/12/2017 1639h	3051A-ICPMS-PR	Soil		DF-Metals 1
				6020B-S			DF-Metals
				2 SEL Analytes: AS PB			
				PMOIST			DF-Metals
1706271-090A	SGR-L14W-6-12"	5/25/2017 1406h	6/12/2017 1639h	3051A-ICPMS-PR	Soil		DF-Metals 1
				6020B-S			DF-Metals
				2 SEL Analytes: AS PB			
				PMOIST			DF-Metals
1706271-091A	SGR-L15W-0-2"	5/25/2017 1418h	6/12/2017 1639h	3051A-ICPMS-PR	Soil		DF-Metals 1
				6020B-S			DF-Metals
				2 SEL Analytes: AS PB			
				PMOIST			DF-Metals

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# WORK ORDER Summary

Work Order: **1706271** Page 14 of 23

Client: Sage Environmental, LLC

Due Date: 6/26/2017

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage
1706271-092A	SGR-L15W-6-12"	5/25/2017 1418h	6/12/2017 1639h	3051A-ICPMS-PR	Soil		DF-Metals 1
				6020B-S			DF-Metals
				2 SEL Analytes: AS PB			
				PMOIST			DF-Metals
1706271-093A	SGR-L16W-0-2"	5/25/2017 1433h	6/12/2017 1639h	3051A-ICPMS-PR	Soil		DF-Metals 1
				6020B-S			DF-Metals
				2 SEL Analytes: AS PB			
				PMOIST			DF-Metals
1706271-094A	SGR-L16W-6-12"	5/25/2017 1433h	6/12/2017 1639h	3051A-ICPMS-PR	Soil		DF-Metals 1
				6020B-S			DF-Metals
				2 SEL Analytes: AS PB			
				PMOIST			DF-Metals
1706271-095A	SGR-L17W-0-2"	5/25/2017 1441h	6/12/2017 1639h	3051A-ICPMS-PR	Soil		DF-Metals 1
				6020B-S			DF-Metals
				2 SEL Analytes: AS PB			
				PMOIST			DF-Metals
1706271-096A	SGR-L17W-6-12"	5/25/2017 1441h	6/12/2017 1639h	3051A-ICPMS-PR	Soil		DF-Metals 1
				6020B-S			DF-Metals
				2 SEL Analytes: AS PB			
				PMOIST			DF-Metals
1706271-097A	SGR-L18W-0-2"	5/25/2017 1452h	6/12/2017 1639h	3051A-ICPMS-PR	Soil		DF-Metals 1
				6020B-S			DF-Metals
				2 SEL Analytes: AS PB			
				PMOIST			DF-Metals
1706271-098A	SGR-L18W-6-12"	5/25/2017 1452h	6/12/2017 1639h	3051A-ICPMS-PR	Soil		DF-Metals 1
				6020B-S			DF-Metals
				2 SEL Analytes: AS PB			
				PMOIST			DF-Metals
1706271-099A	SGR-L13E-0-2"	5/25/2017 1508h	6/12/2017 1639h	3051A-ICPMS-PR	Soil		DF-Metals 1
				6020B-S			DF-Metals
				2 SEL Analytes: AS PB			
				PMOIST			DF-Metals



# WORK ORDER Summary

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Client: Sage Environmental, LLC

Due Date: 6/26/2017

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage
1706271-100A	SGR-L13E-6-12"	5/25/2017 1508h	6/12/2017 1639h	3051A-ICPMS-PR	Soil		DF-Metals 1
				6020B-S			DF-Metals
				2 SEL Analytes: AS PB			
				PMOIST			DF-Metals
1706271-101A	SGR-L12E-0-2"	5/25/2017 1521h	6/12/2017 1639h	3051A-ICPMS-PR	Soil		DF-Metals 1
				6020B-S			DF-Metals
				2 SEL Analytes: AS PB			
				PMOIST			DF-Metals
1706271-102A	SGR-L12E-6-12"	5/25/2017 1521h	6/12/2017 1639h	3051A-ICPMS-PR	Soil		DF-Metals 1
				6020B-S			DF-Metals
				2 SEL Analytes: AS PB			
				PMOIST			DF-Metals
1706271-103A	SGR-L11E-0-2"	5/25/2017 1544h	6/12/2017 1639h	3051A-ICPMS-PR	Soil		DF-Metals 1
				6020B-S			DF-Metals
				2 SEL Analytes: AS PB			
				PMOIST			DF-Metals
1706271-104A	SGR-L11E-6-12"	5/25/2017 1544h	6/12/2017 1639h	3051A-ICPMS-PR	Soil		DF-Metals 1
				6020B-S			DF-Metals
				2 SEL Analytes: AS PB			
				PMOIST			DF-Metals
1706271-105A	SGR-L10E-0-2"	5/25/2017 1555h	6/12/2017 1639h	3051A-ICPMS-PR	Soil		DF-Metals 1
				6020B-S			DF-Metals
				2 SEL Analytes: AS PB			
				PMOIST			DF-Metals
1706271-106A	SGR-L10E-6-12"	5/25/2017 1555h	6/12/2017 1639h	3051A-ICPMS-PR	Soil		DF-Metals 1
				6020B-S			DF-Metals
				2 SEL Analytes: AS PB			
				PMOIST			DF-Metals
1706271-107A	SGR-L9E-0-2"	5/25/2017 1605h	6/12/2017 1639h	3051A-ICPMS-PR	Soil		DF-Metals 1
				6020B-S			DF-Metals
				2 SEL Analytes: AS PB			
				PMOIST			DF-Metals
1706271-108A	SGR-L9E-6-12"	5/25/2017 1605h	6/12/2017 1639h	3051A-ICPMS-PR	Soil		DF-Metals 1

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# WORK ORDER Summary

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Client: Sage Environmental, LLC

Due Date: 6/26/2017

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage
1706271-108A	SGR-L9E-6-12"	5/25/2017 1605h	6/12/2017 1639h	6020B-S 2 SEL Analytes: AS PB	Soil		DF-Metals 1
				PMOIST			DF-Metals
1706271-109A	SGR-L8E-0-2"	5/25/2017 1615h	6/12/2017 1639h	3051A-ICPMS-PR 6020B-S 2 SEL Analytes: AS PB	Soil		DF-Metals 1
				PMOIST			DF-Metals
1706271-110A	SGR-L8E-6-12"	5/25/2017 1615h	6/12/2017 1639h	3051A-ICPMS-PR 6020B-S 2 SEL Analytes: AS PB	Soil		DF-Metals 1
				PMOIST			DF-Metals
1706271-111A	SGR-L8W-0-2"	5/25/2017 1628h	6/12/2017 1639h	3051A-ICPMS-PR 6020B-S 2 SEL Analytes: AS PB	Soil		DF-Metals 1
				PMOIST			DF-Metals
1706271-112A	SGR-L8W-6-12"	5/25/2017 1632h	6/12/2017 1639h	3051A-ICPMS-PR 6020B-S 2 SEL Analytes: AS PB	Soil		DF-Metals 1
				PMOIST			DF-Metals
1706271-113A	SGR-L9W-0-2"	5/25/2017 1644h	6/12/2017 1639h	3051A-ICPMS-PR 6020B-S 2 SEL Analytes: AS PB	Soil		DF-Metals 1
				PMOIST			DF-Metals
1706271-114A	SGR-L9W-6-12"	5/25/2017 1644h	6/12/2017 1639h	3051A-ICPMS-PR 6020B-S 2 SEL Analytes: AS PB	Soil		DF-Metals 1
				PMOIST			DF-Metals
1706271-115A	SGR-L10W-0-2"	5/25/2017 1652h	6/12/2017 1639h	3051A-ICPMS-PR 6020B-S 2 SEL Analytes: AS PB	Soil		DF-Metals 1
				PMOIST			DF-Metals
1706271-116A	SGR-L10W-6-12"	5/25/2017 1652h	6/12/2017 1639h	3051A-ICPMS-PR	Soil		DF-Metals 1

# WORK ORDER Summary

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Due Date: 6/26/2017

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage
1706271-116A	SGR-L10W-6-12"	5/25/2017 1652h	6/12/2017 1639h	6020B-S 2 SEL Analytes: AS PB PMOIST	Soil	DF-Metals	1
1706271-117A	SGR-L11W-0-2"	5/25/2017 1700h	6/12/2017 1639h	3051A-ICPMS-PR 6020B-S 2 SEL Analytes: AS PB PMOIST	Soil	DF-Metals	1
1706271-118A	SGR-L11W-6-12"	5/25/2017 1700h	6/12/2017 1639h	3051A-ICPMS-PR 6020B-S 2 SEL Analytes: AS PB PMOIST	Soil	DF-Metals	1
1706271-119A	SGR-L12W-0-2"	5/25/2017 1708h	6/12/2017 1639h	3051A-ICPMS-PR 6020B-S 2 SEL Analytes: AS PB PMOIST	Soil	DF-Metals	1
1706271-120A	SGR-L12W-6-12"	5/25/2017 1708h	6/12/2017 1639h	3051A-ICPMS-PR 6020B-S 2 SEL Analytes: AS PB PMOIST	Soil	DF-Metals	1
1706271-121A	SGR-L13W-0-2"	5/25/2017 1716h	6/12/2017 1639h	3051A-ICPMS-PR 6020B-S 2 SEL Analytes: AS PB PMOIST	Soil	DF-Metals	1
1706271-122A	SGR-L13W-6-12"	5/25/2017 1716h	6/12/2017 1639h	3051A-ICPMS-PR 6020B-S 2 SEL Analytes: AS PB PMOIST	Soil	DF-Metals	1
1706271-123A	SGR-L21E-0-2"	5/25/2017 1410h	6/12/2017 1639h	3051A-ICPMS-PR 6020B-S 2 SEL Analytes: AS PB PMOIST	Soil	DF-Metals	1
1706271-124A	SGR-L21E-6-12"	5/25/2017 1410h	6/12/2017 1639h	3051A-ICPMS-PR	Soil	DF-Metals	1

# WORK ORDER Summary

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Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage
1706271-124A	SGR-L21E-6-12"	5/25/2017 1410h	6/12/2017 1639h	6020B-S 2 SEL Analytes: AS PB PMOIST	Soil		DF-Metals DF-Metals
1706271-125A	SGR-L21W-0-2"	5/25/2017 1508h	6/12/2017 1639h	3051A-ICPMS-PR 6020B-S 2 SEL Analytes: AS PB PMOIST	Soil		DF-Metals DF-Metals DF-Metals
1706271-126A	SGR-L21W-6-12"	5/25/2017 1508h	6/12/2017 1639h	3051A-ICPMS-PR 6020B-S 2 SEL Analytes: AS PB PMOIST	Soil		DF-Metals DF-Metals DF-Metals
1706271-127A	SGR-L7E-0-2"	6/6/2017 0941h	6/12/2017 1639h	3051A-ICPMS-PR 6020B-S 2 SEL Analytes: AS PB PMOIST	Soil		DF-Metals DF-Metals DF-Metals
1706271-128A	SGR-L7E-6-12"	6/6/2017 0941h	6/12/2017 1639h	3051A-ICPMS-PR 6020B-S 2 SEL Analytes: AS PB PMOIST	Soil		DF-Metals DF-Metals DF-Metals
1706271-129A	SGR-L7W-0-2"	6/6/2017 0953h	6/12/2017 1639h	3051A-ICPMS-PR 6020B-S 2 SEL Analytes: AS PB PMOIST	Soil		DF-Metals DF-Metals DF-Metals
1706271-130A	SGR-L7W-6-12"	6/6/2017 0952h	6/12/2017 1639h	3051A-ICPMS-PR 6020B-S 2 SEL Analytes: AS PB PMOIST	Soil		DF-Metals DF-Metals DF-Metals
1706271-131A	SGR-L6E-0-2"	6/6/2017 1007h	6/12/2017 1639h	3051A-ICPMS-PR 6020B-S 2 SEL Analytes: AS PB PMOIST	Soil		DF-Metals DF-Metals DF-Metals
1706271-132A	SGR-L6E-6-12"	6/6/2017 1007h	6/12/2017 1639h	3051A-ICPMS-PR	Soil		DF-Metals

# WORK ORDER Summary

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Client: Sage Environmental, LLC

Due Date: 6/26/2017

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage
1706271-132A	SGR-L6E-6-12"	6/6/2017 1007h	6/12/2017 1639h	6020B-S 2 SEL Analytes: AS PB PMOIST	Soil		DF-Metals DF-Metals
1706271-133A	SGR-L5E-0-2"	6/6/2017 1017h	6/12/2017 1639h	3051A-ICPMS-PR 6020B-S 2 SEL Analytes: AS PB PMOIST	Soil		DF-Metals DF-Metals DF-Metals
1706271-134A	SGR-L5E-6-12"	6/6/2017 1017h	6/12/2017 1639h	3051A-ICPMS-PR 6020B-S 2 SEL Analytes: AS PB PMOIST	Soil		DF-Metals DF-Metals DF-Metals
1706271-135A	SGR-L4E-0-2"	6/6/2017 1028h	6/12/2017 1639h	3051A-ICPMS-PR 6020B-S 2 SEL Analytes: AS PB PMOIST	Soil		DF-Metals DF-Metals DF-Metals
1706271-136A	SGR-L4E-6-12"	6/6/2017 1028h	6/12/2017 1639h	3051A-ICPMS-PR 6020B-S 2 SEL Analytes: AS PB PMOIST	Soil		DF-Metals DF-Metals DF-Metals
1706271-137A	SGR-L3E-0-2"	6/6/2017 1035h	6/12/2017 1639h	3051A-ICPMS-PR 6020B-S 2 SEL Analytes: AS PB PMOIST	Soil		DF-Metals DF-Metals DF-Metals
1706271-138A	SGR-L3E-6-12"	6/6/2017 1035h	6/12/2017 1639h	3051A-ICPMS-PR 6020B-S 2 SEL Analytes: AS PB PMOIST	Soil		DF-Metals DF-Metals DF-Metals
1706271-139A	SGR-L2E-0-2"	6/6/2017 1049h	6/12/2017 1639h	3051A-ICPMS-PR 6020B-S 2 SEL Analytes: AS PB PMOIST	Soil		DF-Metals DF-Metals DF-Metals
1706271-140A	SGR-L2E-6-12"	6/6/2017 1049h	6/12/2017 1639h	3051A-ICPMS-PR	Soil		DF-Metals

# WORK ORDER Summary

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Client: Sage Environmental, LLC

Due Date: 6/26/2017

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage
1706271-140A	SGR-L2E-6-12"	6/6/2017 1049h	6/12/2017 1639h	6020B-S 2 SEL Analytes: AS PB PMOIST	Soil		DF-Metals DF-Metals
1706271-141A	SGR-L1E-0-2"	6/6/2017 1059h	6/12/2017 1639h	3051A-ICPMS-PR 6020B-S 2 SEL Analytes: AS PB PMOIST	Soil		DF-Metals DF-Metals DF-Metals
1706271-142A	SGR-L1E-6-12"	6/6/2017 1059h	6/12/2017 1639h	3051A-ICPMS-PR 6020B-S 2 SEL Analytes: AS PB PMOIST	Soil		DF-Metals DF-Metals DF-Metals
1706271-143A	SGR-L1W-0-2"	6/6/2017 1107h	6/12/2017 1639h	3051A-ICPMS-PR 6020B-S 2 SEL Analytes: AS PB PMOIST	Soil		DF-Metals DF-Metals DF-Metals
1706271-144A	SGR-L1W-6-12"	6/6/2017 1107h	6/12/2017 1639h	3051A-ICPMS-PR 6020B-S 2 SEL Analytes: AS PB PMOIST	Soil		DF-Metals DF-Metals DF-Metals
1706271-145A	SGR-L2W-0-2"	6/6/2017 1123h	6/12/2017 1639h	3051A-ICPMS-PR 6020B-S 2 SEL Analytes: AS PB PMOIST	Soil		DF-Metals DF-Metals DF-Metals
1706271-146A	SGR-L2W-6-12"	6/6/2017 1123h	6/12/2017 1639h	3051A-ICPMS-PR 6020B-S 2 SEL Analytes: AS PB PMOIST	Soil		DF-Metals DF-Metals DF-Metals
1706271-147A	SGR-L3W-0-2"	6/6/2017 1132h	6/12/2017 1639h	3051A-ICPMS-PR 6020B-S 2 SEL Analytes: AS PB PMOIST	Soil		DF-Metals DF-Metals DF-Metals
1706271-148A	SGR-L3W-6-12"	6/6/2017 1132h	6/12/2017 1639h	3051A-ICPMS-PR	Soil		DF-Metals

# WORK ORDER Summary

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Client: Sage Environmental, LLC

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Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage
1706271-148A	SGR-L3W-6-12"	6/6/2017 1132h	6/12/2017 1639h	6020B-S 2 SEL Analytes: AS PB PMOIST	Soil		DF-Metals DF-Metals
1706271-149A	SGR-L4W-0-2"	6/6/2017 1148h	6/12/2017 1639h	3051A-ICPMS-PR 6020B-S 2 SEL Analytes: AS PB PMOIST	Soil		DF-Metals DF-Metals DF-Metals
1706271-150A	SGR-L4W-6-12"	6/6/2017 1148h	6/12/2017 1639h	3051A-ICPMS-PR 6020B-S 2 SEL Analytes: AS PB PMOIST	Soil		DF-Metals DF-Metals DF-Metals
1706271-151A	SGR-L5W-0-2"	6/6/2017 1157h	6/12/2017 1639h	3051A-ICPMS-PR 6020B-S 2 SEL Analytes: AS PB PMOIST	Soil		DF-Metals DF-Metals DF-Metals
1706271-152A	SGR-L5W-6-12"	6/6/2017 1157h	6/12/2017 1639h	3051A-ICPMS-PR 6020B-S 2 SEL Analytes: AS PB PMOIST	Soil		DF-Metals DF-Metals DF-Metals
1706271-153A	SGR-L6W-0-2"	6/6/2017 1208h	6/12/2017 1639h	3051A-ICPMS-PR 6020B-S 2 SEL Analytes: AS PB PMOIST	Soil		DF-Metals DF-Metals DF-Metals
1706271-154A	SGR-L6W-6-12"	6/6/2017 1210h	6/12/2017 1639h	3051A-ICPMS-PR 6020B-S 2 SEL Analytes: AS PB PMOIST	Soil		DF-Metals DF-Metals DF-Metals
1706271-155A	SGR-L14NE-0-2"	6/6/2017 1233h	6/12/2017 1639h	3051A-ICPMS-PR 6020B-S 2 SEL Analytes: AS PB PMOIST	Soil		DF-Metals DF-Metals DF-Metals
1706271-156A	SGR-L14NE-6-12"	6/6/2017 1233h	6/12/2017 1639h	3051A-ICPMS-PR	Soil		DF-Metals

# WORK ORDER Summary

Work Order: **1706271** Page 22 of 23

Client: Sage Environmental, LLC

Due Date: 6/26/2017

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage
1706271-156A	SGR-L14NE-6-12"	6/6/2017 1233h	6/12/2017 1639h	6020B-S 2 SEL Analytes: AS PB PMOIST	Soil		DF-Metals DF-Metals
1706271-157A	SGR-L15S-0-2"	6/6/2017 1244h	6/12/2017 1639h	3051A-ICPMS-PR 6020B-S 2 SEL Analytes: AS PB PMOIST	Soil		DF-Metals DF-Metals DF-Metals
1706271-158A	SGR-L15S-6-12"	6/6/2017 1244h	6/12/2017 1639h	3051A-ICPMS-PR 6020B-S 2 SEL Analytes: AS PB PMOIST	Soil		DF-Metals DF-Metals DF-Metals
1706271-159A	SGR-L22W-0-2"	6/6/2017 1146h	6/12/2017 1639h	3051A-ICPMS-PR 6020B-S 2 SEL Analytes: AS PB PMOIST	Soil		DF-Metals DF-Metals DF-Metals
1706271-160A	SGR-L22W-6-12"	6/6/2017 1146h	6/12/2017 1639h	3051A-ICPMS-PR 6020B-S 2 SEL Analytes: AS PB PMOIST	Soil		DF-Metals DF-Metals DF-Metals
1706271-161A	SGR-L22W-4'	6/6/2017 1157h	6/12/2017 1639h	3051A-ICPMS-PR 6020B-S 2 SEL Analytes: AS PB PMOIST	Soil		DF-Metals DF-Metals DF-Metals
1706271-162A	SGR-L22W-9'	6/6/2017 1157h	6/12/2017 1639h	3051A-ICPMS-PR 6020B-S 2 SEL Analytes: AS PB PMOIST	Soil		DF-Metals DF-Metals DF-Metals
1706271-163A	SGR-L22S-0-2"	6/6/2017 1245h	6/12/2017 1639h	3051A-ICPMS-PR 6020B-S 2 SEL Analytes: AS PB PMOIST	Soil		DF-Metals DF-Metals DF-Metals



**WORK ORDER Summary**

Work Order: **1706271**    Page 23 of 23  
Due Date: 6/26/2017

**Client:**            Sage Environmental, LLC

AWAL Use Only.            Close Hold Times

Test Code	# Samps	Min. days left
PMOIST	163	-12.39

# American West Analytical Laboratories

## Chain of Custody

Lab Sample Set # 1706271

Client: **SAGE Environmental**  
Address: **807 E. South Temple, #100**  
**Salt Lake City, UT 84102**

Contact: **Laurie Goldner**

Phone: **801-322-2050**

Fax : **801-322-2052**

Email: [lgoldner@sage-env.com](mailto:lgoldner@sage-env.com)

Page 1 of 11

OC Level: **2**



### Turn Around Time Standard

Project Name: **Silver Gate Ranches**

PO#:

[illegible]

Special Instructions: Please retain extracts for all samples. 60 Days.

Relinquished by: <i>Signature</i> 	Date: <i>6/12/17</i>	Received by: <i>Signature</i> 	Date: <i>6/12/17</i>
Print Name Joelle Dickson	Time: <i>1639</i>	Print Name <i>Izolde Rhodes</i>	Time: <i>1639</i>
Relinquished by: <i>Signature</i>	Date:	Received by: <i>Signature</i>	Date:
Print Name	Time:	Print Name	Time:

# American West Analytical Laboratories

## Chain of Custody

Lab Sample Set # 1706271

Page 2 of 11

Client: **SAGE Environmental**  
Address: **807 E. South Temple, #100**  
**Salt Lake City, UT 84102**

Contact: **Laurie Goldner**

Phone: **801-322-2050**

Fax : **801-322-2052**

Email: [lgoldner@sage-env.com](mailto:lgoldner@sage-env.com)

QC Level: **2**

### Turn Around Time Standard

Project Name: **Silver Gate Ranches**

PO#:

	Sample ID:	Date Sampled	Time	# of Containers	Sample Matrix	Pb & As (6020 B)	RCRA D-list Metals																	Laboratory Use Only
																								Samples Were:
																								1 Shipped or hand delivered
																								2 Ambient or Chilled
																								3 Temperature 4.0
																								4 Received Broken/Leaking (Improperly Sealed) Y N
																								5 Properly Preserved Y N
																								6 Received Within Holding Times Y N
																								COC Tape Was:
																								1 Present on Outer Package Y N NA
																								2 Unbroken on Outer Package Y N NA
																								3 Present on Sample Y N NA
																								4 Unbroken on Sample Y N NA
																								Discrepancies Between Sample Labels and COC Record? Y N

Special Instructions:

Relinquished by: <i>Signature</i> <i>Joelle Dickson</i>	Date: <i>6/12/17</i>	Received by: <i>Signature</i> <i>Helde Rhodes</i>	Date: <i>6/12/17</i>
Print Name Joelle Dickson	Time: <i>1639</i>	Print Name Helde Rhodes	Time: <i>1639</i>
Relinquished by: <i>Signature</i>	Date:	Received by: <i>Signature</i>	Date:
Print Name	Time:	Print Name	Time:

American West Analytical Laboratories

## Chain of Custody

Lab Sample Set # 17062-71

Page 3 of 11

Client: **SAGE Environmental**  
Address: **807 E. South Temple, #100**  
**Salt Lake City, UT 84102**

Contact: **Laurie Goldner**

Phone: **801-322-2050**

Fax : **801-322-2052**

Email: [lgoldner@sage-env.com](mailto:lgoldner@sage-env.com)

QC Level: **2**

### Turn Around Time Standard

Project Name: **Silver Gate Ranches**

PO#:

[illegible]

Special Instructions:

Relinquished by: <i>Signature</i> <i>Joelle Dickson</i>	Date: <i>6/12/17</i>	Received by: <i>Signature</i> <i>Celine Rhodes</i>	Date: <i>6/12/17</i>
Print Name Joelle Dickson	Time: <i>1639</i>	Print Name <i>Celine Rhodes</i>	Time: <i>11039</i>
Relinquished by: <i>Signature</i>	Date:	Received by: <i>Signature</i>	Date:
Print Name	Time:	Print Name	Time:

American West Analytical Laboratories

## Chain of Custody

Lab Sample Set # 1706271

Page 4 of 11

Client: **SAGE Environmental**  
Address: **807 E. South Temple, #100**  
**Salt Lake City, UT 84102**

Contact: **Laurie Goldner**

Phone: **801-322-2050**

Fax : **801-322-2052**

Email: [lgoldner@sage-env.com](mailto:lgoldner@sage-env.com)

QC Level: **2**



### Turn Around Time Standard

Project Name: **Silver Gate Ranches**  
PO#:

	Sample ID:	Date Sampled	Time	# of Containers	Sample Matrix	Pb & As (6020 B)	RCRA D-list Metals																											Laboratory Use Only
																																Samples Were:		
																																1 Shipped or Hand delivered		
																																2 Ambient or Chilled		
																																3 Temperature 4.0		
																																4 Received Broken/Leaking (Improperly Sealed) Y N		
																																5 Properly Preserved Y N		
																																6 Received Within Holding Times Y N		
																																COC Tape Was:		
																																1 Present on Outer Package Y N NA		
																																2 Unbroken on Outer Package Y N NA		
																																3 Present on Sample Y N NA		
																																4 Unbroken on Sample Y N NA		
																																Discrepancies Between Sample Labels and COC Records Y N		

Special Instructions:

Relinquished by: <i>Signature</i>	Date: 6/12/17	Received by: <i>Signature</i>	Date: 6/12/17
<i>Print Name</i> Joelle Dickson	Time: 1639	<i>Print Name</i> Chelle Rhodes	Time: 1639
Relinquished by: <i>Signature</i>	Date:	Received by: <i>Signature</i>	Date:
<i>Print Name</i>	Time:	<i>Print Name</i>	Time:

Relinquished by: <i>Signature</i> 	Date: 6/12/17	Received by: <i>Signature</i> 	Date: 6/12/17
Print Name Joelle Dickson	Time: 1639.	Print Name Izolde Rhodes	Time: 11039
Relinquished by: <i>Signature</i>	Date:	Received by: <i>Signature</i>	Date:
Print Name	Time:	Print Name	Time:

American West Analytical Laboratories

## Chain of Custody

Lab Sample Set # 17010271

Page 6 of 11

Client: **SAGE Environmental**  
Address: **807 E. South Temple, #100**  
**Salt Lake City, UT 84102**

Contact: **Laurie Goldner**  
Phone: **801-322-2050**  
Fax : **801-322-2052**

Email: [lgoldner@sage-env.com](mailto:lgoldner@sage-env.com)

QC Level: **2**

Project Name: **Silver Gate Ranches**  
PO#:

Turn Around Time  
Standard

	Sample ID:	Date Sampled	Time	# of Containers	Sample Matrix	Pb & As (6020 B)	RCRA D-list Metals														Comments
76	SGR-L20C-0-2"	5/25/2017	10:45	1	S		X														
77	SGR-L20C-6-12"	5/25/2017	11:56	1	S	X															
78	SGR-L20C-9'	5/25/2017	9:58	1	S	X															
79	SGR-L18E-0-2"	5/25/2017	13:08	1	S	X															
80	SGR-L18E-6-12"	5/25/2017	13:08	1	S	X															
81	SGR-L17E-0-2"	5/25/2017	13:21	1	S	X															
82	SGR-L17E-6-12"	5/25/2017	13:23	1	S	X															
83	SGR-L16E-0-2"	5/25/2017	13:31	1	S	X															
84	SGR-L16E-6-12"	5/25/2017	13:31	1	S	X															
85	SGR-L15E-0-2"	5/25/2017	13:40	1	S	X															
86	SGR-L15E-6-12"	5/25/2017	13:40	1	S	X															
87	SGR-L14E-0-2"	5/25/2017	13:56	1	S	X															
88	SGR-L14E-6-12"	5/25/2017	13:56	1	S	X															
89	SGR-L14W-0-2"	5/25/2017	14:06	1	S	X															
90	SGR-L14W-6-12"	5/25/2017	14:06	1	S	X															

Laboratory Use Only

Samples Were:

1 Shipped or hand delivered  
 2 Ambient or Chilled  
 3 Temperature 4.0  
 4 Received Broken/Leaking  
 (Improperly Sealed)  
 Y N  
 5 Properly Preserved  
 Y N  
 6 Received Within Holding Times  
 Y N

COC Tape Was:

1 Present on Outer Package  
 Y N NA  
 2 Unbroken on Outer Package  
 Y N NA  
 3 Present on Sample  
 Y N NA  
 4 Unbroken on Sample  
 Y N NA

Discrepancies Between Sample Labels and COC Record?  
 Y N

Special Instructions:

Relinquished by: <i>Signature</i>	Date: 6/12/17	Received by: <i>Signature</i>	Date: 6/12/17
<i>Print Name</i> Joelle Dickson	Time: 1639	<i>Print Name</i> 1201de Rhodes	Time: 1639
Relinquished by: <i>Signature</i>	Date:	Received by: <i>Signature</i>	Date:
<i>Print Name</i>	Time:	<i>Print Name</i>	Time:

# American West Analytical Laboratories

## Chain of Custody

Lab Sample Set # 1706271

Client: **SAGE Environmental**  
Address: **807 E. South Temple, #100**  
**Salt Lake City, UT 84102**

Contact: **Laurie Goldner**  
Phone: **801-322-2050**  
Fax : **801-322-2052**

Page 7 of 11

Project Name: **Silver Gate Ranches**  
PO#:

Email: [lgoldner@sage-env.com](mailto:lgoldner@sage-env.com)

QC Level: **2**

### Turn Around Time Standard

[illegible]

Special Instructions:

Relinquished by: <i>Signature</i>	Date:	Received by: <i>Signature</i>	Date:
<i>Joelle Dickson</i>	6/12/17	<i>Julie Rhodes</i>	6/12/17
Print Name Joelle Dickson	Time: 1639.	Print Name Julie Rhodes	Time: 1639
Relinquished by: <i>Signature</i>	Date:	Received by: <i>Signature</i>	Date:
Print Name	Time:	Print Name	Time:



American West Analytical Laboratories

## Chain of Custody

Lab Sample Set # 1706271

Page 8 of 11

Client: **SAGE Environmental**  
Address: **807 E. South Temple, #100**  
**Salt Lake City, UT 84102**

Contact: **Laurie Goldner**  
Phone: **801-322-2050**  
Fax : **801-322-2052**

Project Name: **Silver Gate Ranches**  
PO#:



Email: [lgoldner@sage-env.com](mailto:lgoldner@sage-env.com)

QC Level: **2**  
Turn Around Time  
Standard

[illegible]

Special Instructions:

Relinquished by: <i>Signature</i>	Date:	Received by: <i>Signature</i>	Date:
<i>Joelle Dickson</i>	6/12/17	<i>Chelle Rhodes</i>	6/12/17
Print Name Joelle Dickson	Time: 1639.	Print Name Chelle Rhodes	Time: 1639
Relinquished by: <i>Signature</i>	Date:	Received by: <i>Signature</i>	Date:
Print Name	Time:	Print Name	Time:

Relinquished by: <i>Signature</i> 	Date: 6/12/17	Received by: <i>Signature</i> 	Date: 6/12/17
Print Name Joelle Dickson	Time: 1639	Print Name Holde Rhodes	Time: 1639
Relinquished by: <i>Signature</i>	Date:	Received by: <i>Signature</i>	Date:
Print Name	Time:	Print Name	Time:

# American West Analytical Laboratories

## Chain of Custody

Lab Sample Set # 1706271

Client: **SAGE Environmental**  
Address: **807 E. South Temple, #100**  
**Salt Lake City, UT 84102**

Contact: **Laurie Goldner**  
Phone: **801-322-2050**  
Fax : **801-322-2052**

Page 10 of 11

Project Name: **Silver Gate Ranches**  
PO#:

Email: [lgoldner@sage-env.com](mailto:lgoldner@sage-env.com)

QC Level: **2**

## Turn Around Time Standard

[illegible]

Special Instructions:

Relinquished by: <i>Signature</i>	Date:	Received by: <i>Signature</i>	Date:
<i>Joelle Dickson</i>	6/12/17	<i>Chelle Rhodes</i>	6/12/17
Print Name Joelle Dickson	Time: 1639.	Print Name Chelle Rhodes	Time: 1639

Relinquished by: <i>Signature</i>	Date:	Received by: <i>Signature</i>	Date:
Print Name	Time:	Print Name	Time:

# American West Analytical Laboratories

## Chain of Custody

Lab Sample Set # 1706271

Client: **SAGE Environmental**  
Address: **807 E. South Temple, #100**  
**Salt Lake City, UT 84102**

Contact: **Laurie Goldner**  
Phone: **801-322-2050**  
Fax : **801-322-2052**

Page 11 of 11

Project Name: **Silver Gate Ranches**  
PO#:

Email: [lgoldner@sage-env.com](mailto:lgoldner@sage-env.com)

QC Level: **2**

## Turn Around Time Standard

[illegible]

Special Instructions:

Relinquished by: <i>Signature</i>	Date: 6/12/17	Received by: <i>Signature</i>	Date: 6/12/17
Print Name Joelle Dickson	Time: 1639.	Print Name Zolde Rhodes	Time: 1639
Relinquished by: <i>Signature</i>	Date:	Received by: <i>Signature</i>	Date:
Print Name	Time:	Print Name	Time: